

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: PORTFOLIO

Report Number: H22210

Luminaire Tested: **C6132-6110**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: H22210
Test Lab:
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: C6132-6110
Description: HALO 6" DIA RECESSED WALL WASH
SPECULAR REFLECTOR - STIPPLED INSIDE TOP
Light Source: LAMP: F26TTT 26 WATTS 1800 LUMENS
TRIPLE TWIN TUBE COMPACT FLUORESCENT
Ballast/Driver: -

Summary

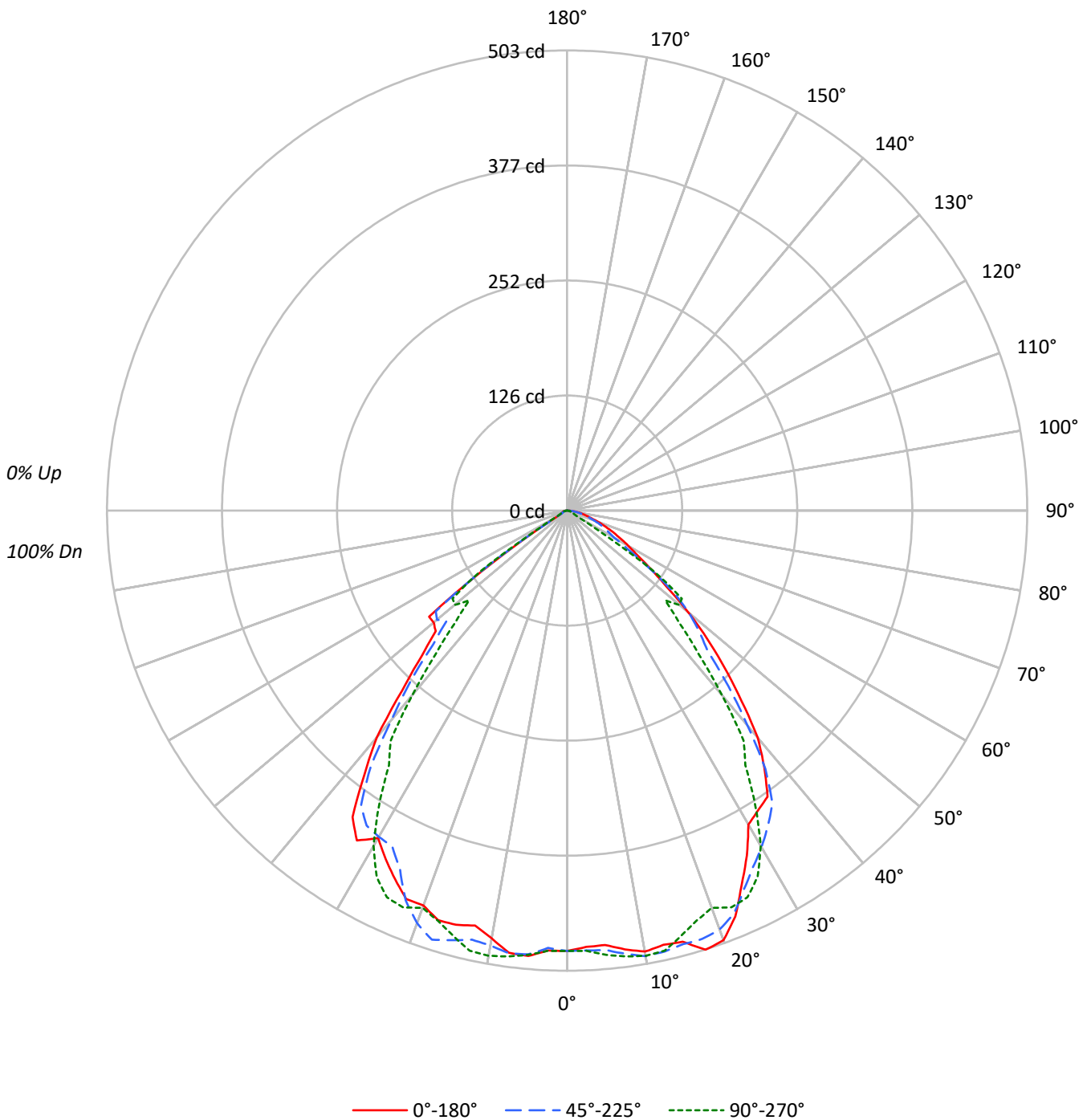
Lumens per Lamp: 1800 (1 lamp)
Luminaire Lumens: 921.7 lumens
Efficiency: 51.2%
Efficacy: 30.7 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.24 / 1.23
Luminous Opening: (L: 0 ' x W: -0.47 ' x H: 0 '
CIE Type: Direct

Input Watts (W): 30
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	61	61	61	61	60	60	60	60	57	57	57		54	54	54		52	52	52	51
1	57	55	54	52	56	54	53	52	52	51	50		50	49	48		48	48	47	46
2	53	50	48	45	52	49	47	45	48	45	44		46	44	43		44	43	42	41
3	50	45	42	40	49	45	42	39	43	41	39		42	40	38		41	39	37	36
4	46	41	38	35	45	41	37	35	39	37	34		38	36	34		37	35	33	32
5	43	38	34	31	42	37	34	31	36	33	31		35	32	30		34	32	30	29
6	40	34	31	28	39	34	30	28	33	30	27		32	29	27		32	29	27	26
7	38	32	28	25	37	31	28	25	30	27	25		30	27	25		29	27	25	24
8	35	29	25	23	34	29	25	23	28	25	23		28	25	22		27	24	22	21
9	33	27	23	21	32	27	23	21	26	23	21		26	23	21		25	22	20	20
10	31	25	21	19	30	25	21	19	24	21	19		24	21	19		23	21	19	18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	Luminous shape not found,		
5°	reference photometric report, or contact		
10°	the photometric lab for calculations.		
15°			
20°			
25°			
30°			
35°			
40°			
45°			
50°			
55°			
60°			
65°			
70°			
75°			
80°			
85°			



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ZONAL LUMENS:

CANDELA DISTRIBUTION:

Zone	Lumens	% Fixture	% Lamp		0°	45°	90°	135°	180°	Flux
0°-10°	46.4	5.0	2.6	0°	481	481	481	481	481	
10°-20°	137.4	14.9	7.6	5°	477	482	488	487	489	46
20°-30°	208.2	22.6	11.6	15°	488	491	481	486	469	140
30°-40°	232.7	25.2	12.9	25°	451	457	466	432	445	207
40°-50°	168.1	18.2	9.3	35°	382	391	340	393	409	232
50°-60°	92.9	10.1	5.2	45°	244	217	173	207	224	189
60°-70°	22.0	2.4	1.2	55°	112	109	116	108	98	103
70°-80°	10.8	1.2	0.6	65°	55	44	7	6	6	54
80°-90°	3.2	0.3	0.2	75°	22	20	4	4	4	24
90°-100°	0.0	0.0	0.0	85°	6	5	1	1	2	6
100°-110°	0.0	0.0	0.0	90°	0	0	0	0	0	0
110°-120°	0.0	0.0	0.0	95°	0	0	0	0	0	0
120°-130°	0.0	0.0	0.0	105°	0	0	0	0	0	0
130°-140°	0.0	0.0	0.0	115°	0	0	0	0	0	0
140°-150°	0.0	0.0	0.0	125°	0	0	0	0	0	0
150°-160°	0.0	0.0	0.0	135°	0	0	0	0	0	0
160°-170°	0.0	0.0	0.0	145°	0	0	0	0	0	0
170°-180°	0.0	0.0	0.0	155°	0	0	0	0	0	0
0°-30°	392.0	42.5	21.8	165°	0	0	0	0	0	0
0°-40°	624.7	67.8	34.7	175°	0	0	0	0	0	0
0°-60°	885.7	96.1	49.2	180°	0	0	0	0	0	0
0°-90°	921.7	100.0	51.2							
90°-120°	0.0	0.0	0.0							
90°-150°	0.0	0.0	0.0							
90°-180°	0.0	0.0	0.0							
0°-180°	921.7	100.0	51.2							



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	481.3	481.3	481.3	481.3	481.3	481.3	481.3	481.3	481.3
2.5°	477.4	476.3	481.3	483.7	481.6	481.1	478.6	481.6	481.4
5°	476.6	476.4	482.1	486.0	487.5	488.9	486.9	489.3	488.7
7.5°	483.7	482.5	488.7	490.5	491.6	493.7	488.1	487.6	487.6
10°	489.5	490.0	494.6	493.9	494.1	495.2	482.6	476.5	474.9
12.5°	486.3	488.4	493.5	494.4	492.8	494.1	480.5	470.0	464.5
15°	487.8	486.0	490.6	490.7	481.2	490.0	486.1	475.6	468.8
17.5°	503.4	491.5	491.0	486.9	470.1	488.7	491.9	476.3	469.3
20°	499.8	490.8	487.3	482.0	462.1	481.4	479.8	468.8	459.3
22.5°	480.2	474.6	476.8	481.2	469.3	472.4	461.2	466.0	459.5
25°	451.3	449.5	457.2	471.0	466.3	458.3	432.5	441.6	444.8
27.5°	425.2	422.6	439.7	453.6	451.0	446.8	414.0	423.7	429.5
30°	396.3	400.5	425.0	427.8	423.3	426.1	411.7	413.7	413.2
32.5°	388.4	393.9	408.3	399.0	383.1	392.4	408.2	425.1	427.6
35°	381.9	383.5	391.3	375.2	339.7	372.0	392.6	404.7	409.0
37.5°	354.1	353.5	355.8	342.8	316.8	342.8	352.8	365.9	364.1
40°	323.9	316.8	307.1	286.4	263.4	279.6	298.6	316.2	323.5
42.5°	282.2	276.7	261.1	235.8	212.6	229.6	253.7	260.4	267.0
45°	243.6	239.1	217.0	187.4	173.0	186.4	207.1	216.4	224.4
47.5°	207.8	214.0	195.6	156.9	145.3	158.8	178.9	192.5	194.9
50°	172.6	176.8	174.0	149.6	160.2	177.8	185.5	189.2	190.4
52.5°	137.5	142.5	146.3	131.2	158.1	173.0	180.9	188.0	190.4
55°	111.9	110.4	109.2	102.2	116.4	116.8	107.8	102.8	98.4
57.5°	90.6	87.4	78.3	52.8	38.4	29.8	26.1	23.0	22.7
60°	77.5	73.3	59.5	31.5	12.4	8.9	8.7	9.2	9.4
62.5°	65.0	63.0	50.8	26.5	9.1	6.3	6.6	7.2	7.5
65°	54.7	53.8	44.3	23.6	7.2	5.2	5.6	6.3	6.5
67.5°	44.1	43.9	37.7	19.3	5.7	4.5	5.0	5.5	5.8
70°	35.3	36.1	31.0	15.4	4.7	3.8	4.2	4.9	5.1
72.5°	27.5	28.4	24.6	12.0	4.0	3.6	3.9	4.5	4.7
75°	22.3	23.2	20.0	9.7	3.6	3.3	3.7	4.2	4.4
77.5°	17.6	18.0	15.6	7.5	3.0	2.9	3.4	3.8	3.9
80°	13.5	13.7	11.7	5.6	2.4	2.5	2.8	3.3	3.4
82.5°	9.6	9.8	8.1	3.8	1.7	1.9	2.2	2.5	2.6
85°	5.8	6.0	4.9	2.2	1.1	1.3	1.4	1.6	1.7
87.5°	2.9	2.7	2.4	0.8	0.5	0.6	0.6	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)