

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: H22208

Luminaire Tested: **C6132-6110**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: H22208
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 WITH STIPPLED TOP
Light Source: 26W PL-T 26 WATTS 1800 LUMENS
HEX TUBE COMPACT FLUORESCENT
Ballast/Driver: -

Summary

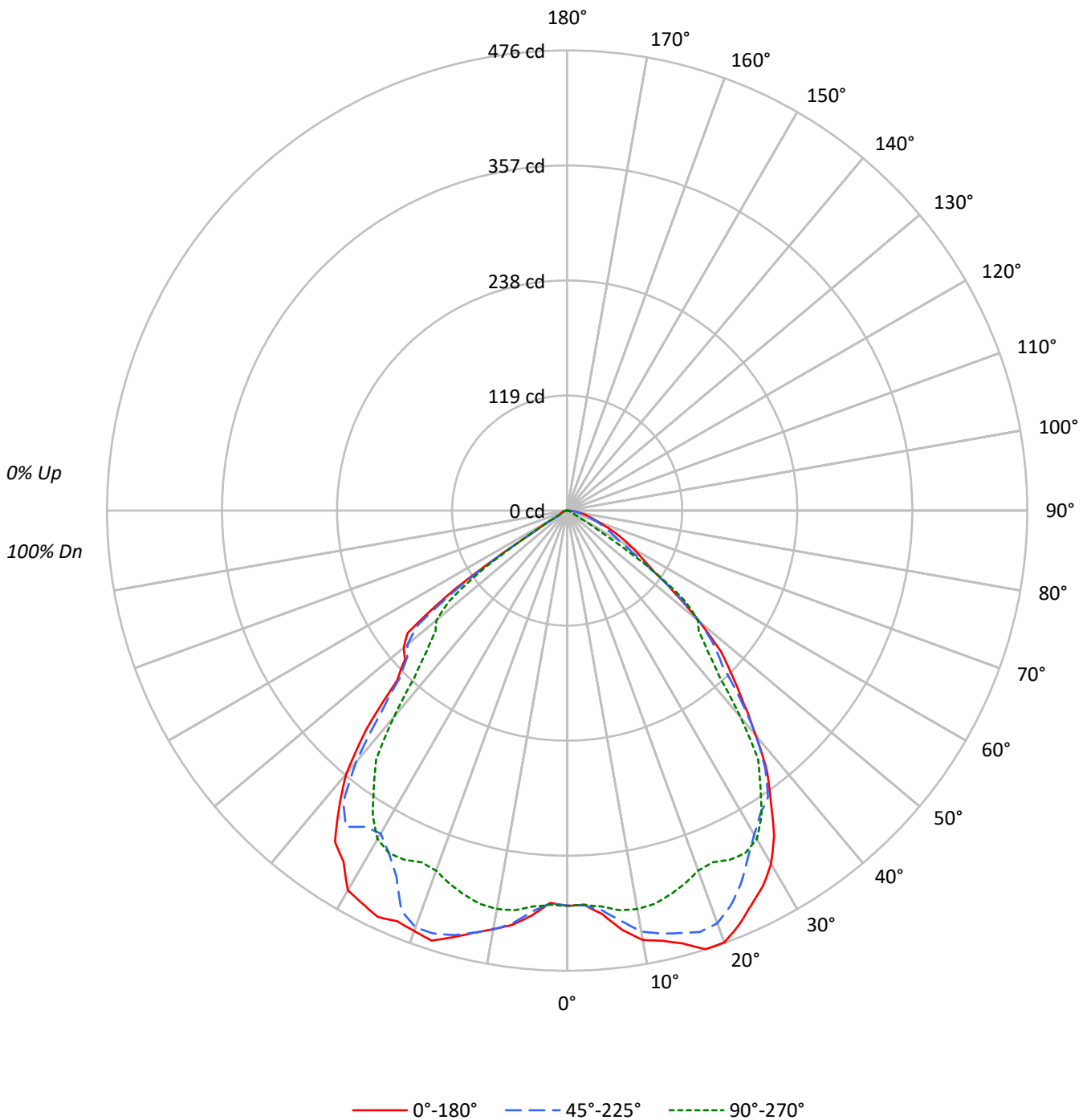
Lumens per Lamp: 1800 (1 lamp)
Luminaire Lumens: 913.4 lumens
Efficiency: 50.7%
Efficacy: 28.5 lumens/watt
Spacing Criteria (0/90/45): 1.44 / 1.35 / 1.33
Luminous Opening: (L: 0 ' x W: -0.47 ' x H: 0 '
CIE Type: Direct

Input Watts (W): 32
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	60	60	60	60	59	59	59	59	56	56	56	54	54	54	52	52	52	51
1	57	55	53	52	55	54	52	51	52	50	49	50	49	48	48	47	46	45
2	53	49	47	45	51	49	46	44	47	45	43	45	44	42	44	42	41	40
3	49	45	41	39	48	44	41	38	43	40	38	41	39	37	40	38	37	36
4	45	40	37	34	44	40	36	34	39	36	33	38	35	33	37	34	33	32
5	42	37	33	30	41	36	33	30	35	32	30	34	32	29	33	31	29	28
6	39	34	30	27	38	33	29	27	32	29	27	31	29	26	31	28	26	25
7	37	31	27	24	36	30	27	24	30	26	24	29	26	24	28	26	24	23
8	34	28	24	22	34	28	24	22	27	24	22	27	24	21	26	23	21	20
9	32	26	22	20	32	26	22	20	25	22	20	25	22	20	24	21	19	19
10	30	24	20	18	30	24	20	18	23	20	18	23	20	18	23	20	18	17

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°	40.4	4.4	2.2	0°	409	409	409	409	409	
10°-20°	126.2	13.8	7.0	5°	419	415	411	416	420	41
20°-30°	195.7	21.4	10.9	15°	464	452	411	455	457	132
30°-40°	230.6	25.2	12.8	25°	450	426	399	418	464	208
40°-50°	184.6	20.2	10.3	35°	367	362	348	399	419	229
50°-60°	99.1	10.9	5.5	45°	241	227	206	245	249	186
60°-70°	22.5	2.5	1.3	55°	108	106	109	128	142	105
70°-80°	11.0	1.2	0.6	65°	56	45	7	6	7	55
80°-90°	3.2	0.3	0.2	75°	22	20	4	4	5	24
90°-100°	0.0	0.0	0.0	85°	5	5	1	2	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°	362.3	39.7	20.1	165°	0	0	0	0	0	0
0°-40°	593.0	64.9	32.9	175°	0	0	0	0	0	0
0°-60°	876.7	96.0	48.7	180°	0	0	0	0	0	0
0°-90°	913.4	100.0	50.7							
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°	913.4	100.0	50.7							



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	408.8	408.8	408.8	408.8	408.8	408.8	408.8	408.8	408.8
2.5°	408.2	408.9	408.7	408.7	408.2	407.4	406.5	406.4	406.2
5°	419.2	418.7	415.2	412.2	411.2	413.0	416.4	419.6	420.4
7.5°	437.5	435.4	428.0	419.2	416.9	422.7	430.5	430.9	432.1
10°	451.0	451.5	442.0	424.5	418.4	432.4	440.0	438.5	439.6
12.5°	455.7	459.1	448.2	430.8	416.7	437.3	447.2	447.9	447.4
15°	463.7	463.7	452.4	435.2	411.4	433.8	454.6	459.9	456.9
17.5°	475.7	471.0	457.0	434.7	404.6	433.8	458.8	465.6	466.4
20°	475.4	466.8	454.2	429.8	396.3	422.9	458.8	459.3	462.7
22.5°	464.1	452.7	442.2	419.7	393.7	405.3	447.8	457.6	459.8
25°	450.3	437.3	425.5	411.1	398.6	389.1	417.7	465.8	463.7
27.5°	438.2	423.3	404.7	402.8	399.3	384.6	399.3	442.1	458.4
30°	422.0	408.0	386.9	393.7	392.3	379.2	385.7	427.0	453.5
32.5°	398.5	382.2	371.8	379.5	374.1	373.3	387.9	417.8	430.6
35°	367.1	359.6	362.2	364.7	348.5	364.9	399.1	413.8	418.6
37.5°	339.6	335.6	336.7	341.6	324.5	355.7	380.2	389.6	387.6
40°	303.8	306.2	303.6	294.0	278.9	311.6	339.7	350.8	355.4
42.5°	270.2	270.9	265.8	245.9	233.6	261.7	287.0	299.2	308.2
45°	241.4	240.6	227.2	207.5	205.5	227.6	244.9	248.2	248.8
47.5°	215.6	217.5	206.2	176.6	184.6	205.3	224.3	226.8	227.4
50°	177.8	182.3	178.7	155.5	176.4	198.5	215.6	219.6	220.6
52.5°	141.7	145.1	145.3	129.1	153.6	177.4	194.8	205.1	207.9
55°	108.5	108.1	106.4	97.3	108.6	117.2	128.0	138.6	142.0
57.5°	92.1	88.2	79.0	52.6	44.6	43.3	39.1	34.2	35.7
60°	79.4	75.1	61.7	33.6	12.7	9.8	10.0	10.5	10.9
62.5°	66.8	64.9	53.3	28.5	9.0	6.5	7.0	7.6	8.1
65°	55.6	54.3	44.9	24.0	6.9	5.4	5.8	6.6	7.0
67.5°	43.5	43.6	37.6	19.6	5.5	4.6	5.2	5.9	6.2
70°	34.7	35.3	30.8	15.6	4.6	4.0	4.5	5.2	5.5
72.5°	27.9	28.4	25.0	12.6	3.9	3.7	4.1	4.7	4.9
75°	22.4	23.0	20.3	10.1	3.5	3.5	3.8	4.4	4.6
77.5°	18.0	18.1	15.9	7.9	3.0	3.1	3.6	4.0	4.2
80°	13.7	13.8	12.0	5.8	2.4	2.6	3.1	3.5	3.6
82.5°	9.4	9.4	8.1	3.8	1.8	2.1	2.4	2.8	2.9
85°	5.3	5.2	4.6	2.1	1.2	1.4	1.6	1.9	2.0
87.5°	2.1	2.1	2.0	0.8	0.6	0.7	0.8	1.0	1.0
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)