

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: H22211

Luminaire Tested: **C6132-6181**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: H22211
Test Lab:
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: C6132-6181
Description: HALO 6" DIA RECESSED DOWNLIGHT
SPECULAR REFLECTOR WITH PLASTIC PRISMATIC LENS
Light Source: F32TTT 32 WATTS 2400 LUMENS
TRIPLE TWIN TUBE COMPACT FLUORESCENT
Ballast/Driver: -

Summary

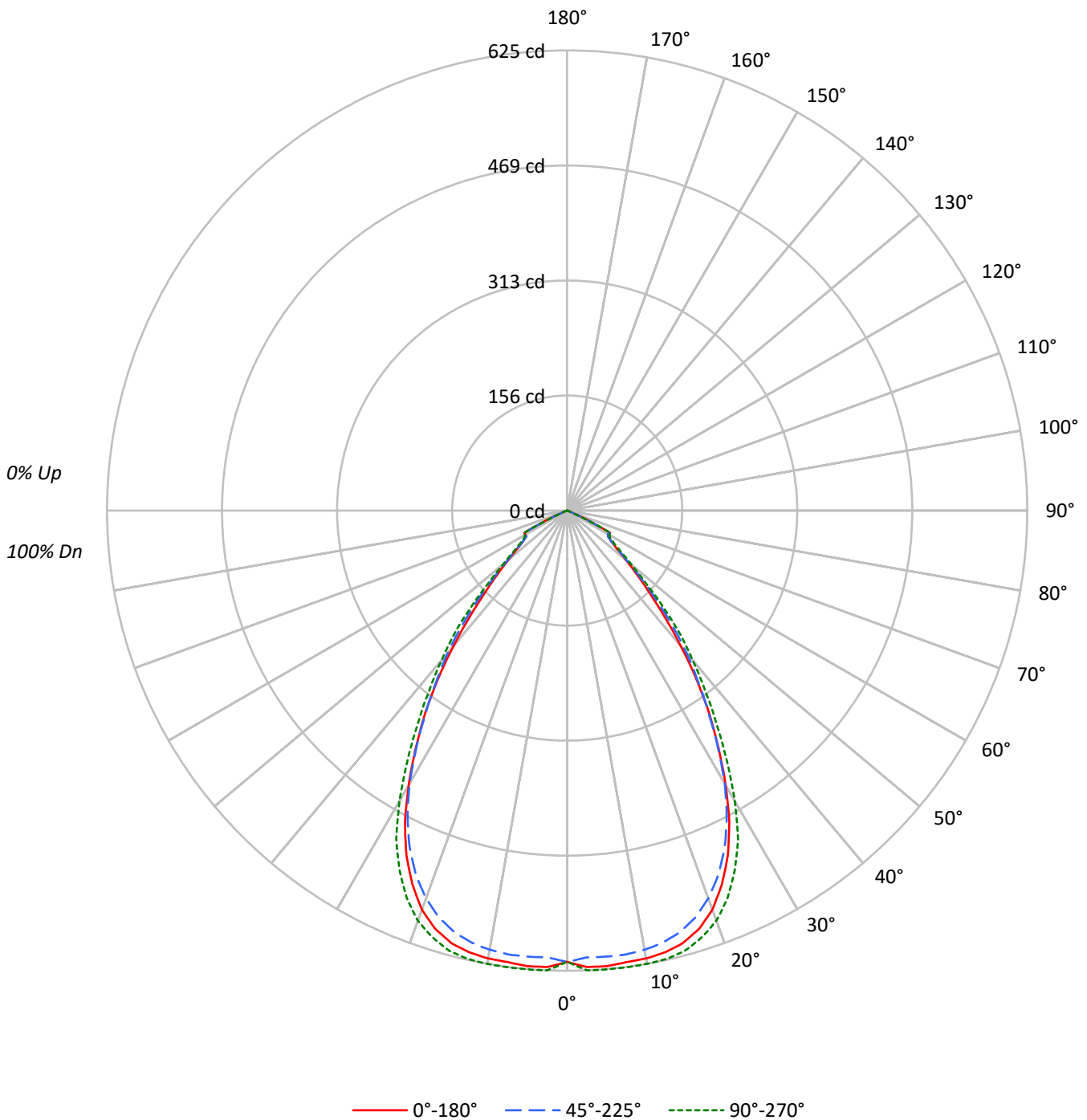
Lumens per Lamp: 2400 (1 lamp)
Luminaire Lumens: 909.8 lumens
Efficiency: 37.9%
Efficacy: 26.0 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.13 / 1.07
Luminous Opening: (L: 0 ' x W: -0.47 ' x H: 0 '
CIE Type: Direct

Input Watts (W): 35
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				
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	
RCR																					
0	45	45	45	45	44	44	44	44	42	42	42	40	40	40	39	39	39	38	38	38	38
1	43	41	40	39	42	41	40	39	39	38	37	38	37	36	36	36	35	35	35	35	35
2	40	38	36	34	39	37	35	34	36	34	33	35	33	32	34	33	32	31	31	31	31
3	37	34	32	30	37	34	32	30	33	31	30	32	30	29	31	30	29	28	28	28	28
4	35	31	29	27	34	31	29	27	30	28	26	29	28	26	29	27	26	25	25	25	25
5	33	29	26	24	32	28	26	24	28	26	24	27	25	24	26	25	23	23	23	23	23
6	31	27	24	22	30	26	24	22	26	23	22	25	23	22	25	23	21	21	21	21	21
7	29	25	22	20	28	24	22	20	24	22	20	23	21	20	23	21	20	19	19	19	19
8	27	23	20	18	27	23	20	18	22	20	18	22	20	18	21	19	18	17	17	17	17
9	26	21	19	17	25	21	19	17	21	18	17	20	18	17	20	18	17	16	16	16	16
10	24	20	17	16	24	20	17	16	19	17	16	19	17	15	19	17	15	15	15	15	15

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
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°	22.5°	45°	67.5°	90°	Flux
0°-10°	58.5	6.4	2.4	0°	613	613	613	613	613	
10°-20°	168.6	18.5	7.0	5°	621	604	608	617	625	59
20°-30°	234.0	25.7	9.7	15°	608	589	593	607	619	171
30°-40°	211.4	23.2	8.8	25°	516	498	506	526	539	235
40°-50°	133.0	14.6	5.5	35°	336	327	334	346	354	208
50°-60°	70.6	7.8	2.9	45°	158	160	171	180	184	125
60°-70°	32.7	3.6	1.4	55°	73	73	73	78	78	69
70°-80°	1.1	0.1	0.0	65°	30	29	29	29	26	34
80°-90°	0.0	0.0	0.0	75°	0	0	0	0	0	1
90°-100°	0.0	0.0	0.0	85°	0	0	0	0	0	0
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°	461.1	50.7	19.2	165°	0	0	0	0	0	0
0°-40°	672.5	73.9	28.0	175°	0	0	0	0	0	0
0°-60°	876.1	96.3	36.5	180°	0	0	0	0	0	0
0°-90°	909.8	100.0	37.9							
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°	909.8	100.0	37.9							



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	612.9	612.9	612.9	612.9	612.9
2.5°	620.5	603.5	607.5	617.1	625.2
5°	621.1	604.3	608.2	617.0	625.4
7.5°	618.5	602.8	608.1	617.3	625.4
10°	617.8	600.4	605.7	616.9	625.2
12.5°	614.4	597.7	601.0	614.1	623.8
15°	608.1	589.2	592.6	607.3	618.9
17.5°	595.6	576.2	579.4	595.7	607.9
20°	576.8	556.4	560.4	578.4	592.8
22.5°	549.1	529.2	536.2	555.2	569.4
25°	516.3	497.5	505.9	525.8	538.6
27.5°	477.0	461.1	469.3	488.5	502.7
30°	430.4	418.2	428.0	444.3	455.2
32.5°	382.9	373.9	381.0	395.4	404.1
35°	335.9	327.4	334.3	345.6	353.9
37.5°	288.3	284.1	291.7	301.6	307.8
40°	239.5	240.5	252.2	262.2	265.4
42.5°	196.2	198.3	210.4	222.3	226.6
45°	158.0	160.1	170.9	179.5	183.5
47.5°	128.4	128.4	135.5	138.5	142.6
50°	103.8	103.2	107.0	110.8	113.0
52.5°	84.9	85.7	87.1	91.5	92.2
55°	73.1	73.4	73.3	78.0	78.3
57.5°	66.3	66.3	65.6	68.7	68.9
60°	65.3	64.1	63.8	65.3	66.2
62.5°	65.9	64.2	64.3	66.2	66.9
65°	30.1	28.6	28.6	28.8	25.6
67.5°	6.5	6.3	5.8	5.6	5.7
70°	4.0	3.7	3.4	3.3	3.2
72.5°	2.8	2.6	2.4	2.3	2.3
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0
110°	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°	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)