

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: H22296

Luminaire Tested: **C6132-6181LI5**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: H22296
Test Lab:
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: C6132-6181LI5
Description: HALO 6" DIA RECESSED DOWNLIGHT
ANODIZED ALUMINUM UPPER REFLECTOR
SPECULAR LOW IRIDESCENT CROSS BAFFLE LOWER REFLECTOR
Light Source: 32W TTT 32 WATTS 2400 LUMENS
TRIPLE TWIN TUBE COMPACT FLUORESCENT
Ballast/Driver: -

Summary

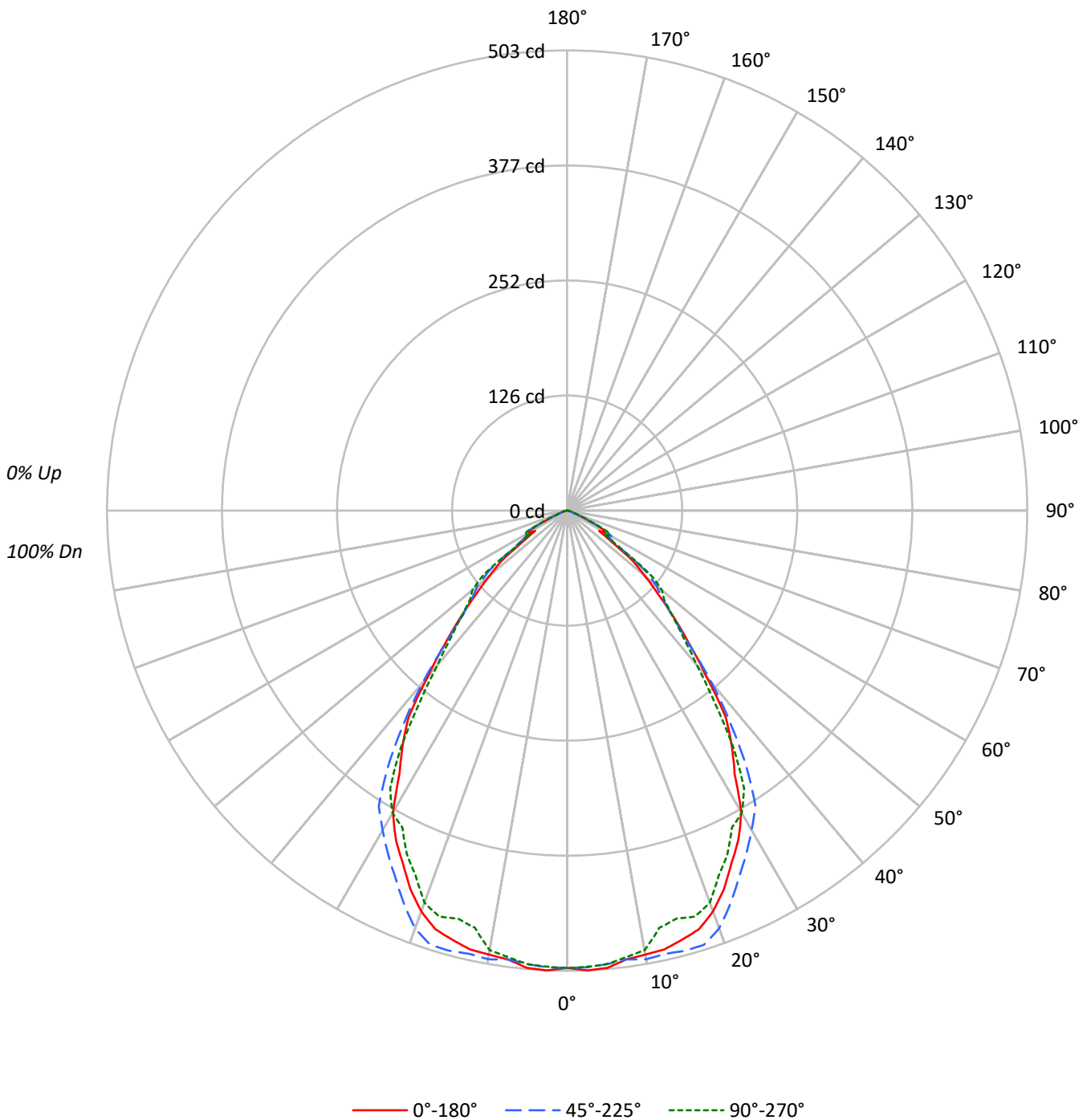
Lumens per Lamp: 2400 (1 lamp)
Luminaire Lumens: 815.8 lumens
Efficiency: 34.0%
Efficacy: 22.7 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.14
Luminous Opening: (L: 0' x W: -0.47' x H: 0'
CIE Type: Direct

Input Watts (W): 36
Input Voltage (V): NR
Input Current (A_{in}): 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	40	40	40	40	40	40	40	40	38	38	38	36	36	36	35	35	35	34
1	38	37	36	35	37	36	35	34	35	34	33	34	33	32	32	32	31	31
2	36	34	32	30	35	33	31	30	32	31	29	31	30	29	30	29	28	28
3	33	31	28	27	32	30	28	26	29	27	26	28	27	26	27	26	25	25
4	31	28	25	24	30	27	25	24	27	25	23	26	24	23	25	24	23	22
5	29	25	23	21	28	25	23	21	24	22	21	24	22	21	23	22	21	20
6	27	23	21	19	27	23	21	19	23	20	19	22	20	19	22	20	19	18
7	25	22	19	17	25	21	19	17	21	19	17	20	19	17	20	18	17	16
8	24	20	18	16	23	20	17	16	19	17	16	19	17	16	19	17	16	15
9	22	19	16	15	22	18	16	14	18	16	14	18	16	14	17	16	14	14
10	21	17	15	13	21	17	15	13	17	15	13	17	15	13	16	14	13	13

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°	47.3	5.8	2.0	0°	500	500	500	500	500	
10°-20°	137.4	16.8	5.7	5°	502	498	498	498	498	47
20°-30°	199.5	24.5	8.3	15°	486	491	498	478	462	137
30°-40°	199.2	24.4	8.3	25°	425	443	444	431	414	196
40°-50°	129.2	15.8	5.4	35°	313	313	342	328	318	194
50°-60°	67.8	8.3	2.8	45°	164	158	161	161	163	128
60°-70°	29.0	3.6	1.2	55°	58	64	70	69	67	60
70°-80°	5.2	0.6	0.2	65°	26	26	27	27	28	27
80°-90°	1.2	0.2	0.1	75°	4	4	5	4	5	5
90°-100°	0.0	0.0	0.0	85°	1	1	1	1	1	1
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°	384.2	47.1	16.0	165°	0	0	0	0	0	0
0°-40°	583.4	71.5	24.3	175°	0	0	0	0	0	0
0°-60°	780.4	95.7	32.5	180°	0	0	0	0	0	0
0°-90°	815.8	100.0	34.0							
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°	815.8	100.0	34.0							



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	499.9	499.9	499.9	499.9	499.9
2.5°	503.2	499.4	499.7	499.5	499.1
5°	501.8	497.6	497.6	497.6	497.7
7.5°	494.8	492.2	494.8	493.6	492.3
10°	492.8	493.1	498.0	491.4	487.9
12.5°	491.2	493.6	496.1	476.6	467.0
15°	485.6	490.9	498.1	477.6	461.7
17.5°	479.7	488.2	497.6	483.2	465.3
20°	466.3	484.3	486.0	474.4	456.1
22.5°	447.7	466.8	465.7	453.5	432.4
25°	425.2	442.7	443.6	431.1	414.5
27.5°	405.6	408.3	423.7	413.0	390.3
30°	380.5	366.9	403.3	405.4	381.8
32.5°	340.8	338.0	383.3	372.7	360.0
35°	313.4	313.1	341.7	328.2	317.5
37.5°	284.9	276.8	293.3	279.9	264.9
40°	237.1	241.3	245.9	234.1	220.7
42.5°	197.8	197.6	195.0	191.6	187.5
45°	164.1	157.8	160.8	160.8	162.8
47.5°	134.3	130.4	140.5	142.6	143.6
50°	110.2	113.0	126.5	130.4	135.0
52.5°	90.1	99.1	106.1	106.9	114.7
55°	58.3	64.2	70.0	68.6	66.6
57.5°	41.5	46.4	52.4	49.6	47.1
60°	48.0	50.0	55.5	52.1	53.7
62.5°	43.8	44.0	48.2	48.1	49.6
65°	25.7	26.5	27.1	27.4	28.2
67.5°	13.8	14.0	13.9	13.8	14.6
70°	8.5	8.5	8.7	8.7	8.9
72.5°	6.2	6.1	6.2	6.1	6.3
75°	4.5	4.5	4.6	4.5	4.6
77.5°	3.4	3.4	3.4	3.4	3.4
80°	2.5	2.5	2.5	2.5	2.5
82.5°	1.7	1.7	1.7	1.7	1.7
85°	1.1	1.1	1.1	1.1	1.1
87.5°	0.6	0.5	0.5	0.5	0.6
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)