

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: H22295

Luminaire Tested: **C6132-6181LI5**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: H22295  
Test Lab:  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: C6132-6181LI5  
Description: PORTFOLIO 6" DIA RECESSED DOWNLIGHT  
ANODIZED ALUMINUM UPPER REFLECTOR  
SPECULAR LOW IRIDESCENT CROSS BLADE LOUVER LOWER REFLECTOR  
Light Source: 32W PLT 32 WATTS 2400 LUMENS  
HEX TUBE COMPACT FLUORESCENT  
Ballast/Driver: -

**Summary**

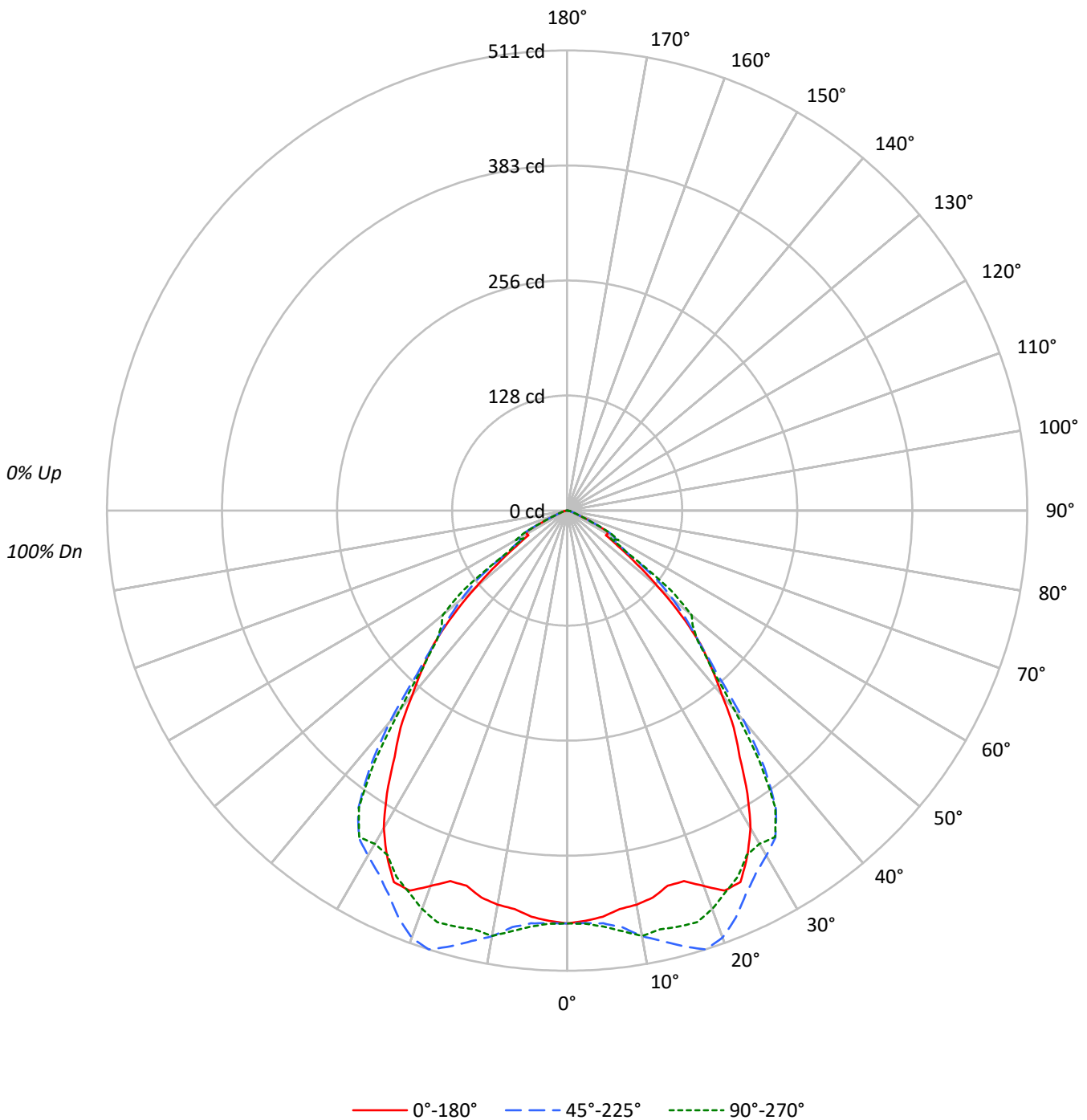
Lumens per Lamp: 2400 (1 lamp)  
Luminaire Lumens: 907.7 lumens  
Efficiency: 37.8%  
Efficacy: 23.9 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.37 / 1.25  
Luminous Opening: (L: 0 ' x W: -0.47 ' x H: 0 '  
CIE Type: Direct

Input Watts (W): 38  
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	42	41	40	39	41	40	39	38	39	38	37	37	36	36	36	35	35	34	34	34	34
2	39	37	35	34	39	36	35	33	35	34	32	34	33	32	33	32	31	30	30	30	30
3	37	34	31	29	36	33	31	29	32	30	29	31	29	28	30	29	28	27	27	27	27
4	34	31	28	26	33	30	28	26	29	27	25	28	27	25	28	26	25	24	24	24	24
5	32	28	25	23	31	27	25	23	27	24	23	26	24	22	25	24	22	22	22	22	22
6	30	25	23	21	29	25	22	21	25	22	20	24	22	20	23	22	20	20	20	20	20
7	28	23	21	19	27	23	20	19	23	20	18	22	20	18	22	20	18	18	18	18	18
8	26	22	19	17	26	21	19	17	21	18	17	20	18	17	20	18	17	16	16	16	16
9	24	20	17	15	24	20	17	15	19	17	15	19	17	15	19	17	15	15	15	15	15
10	23	19	16	14	23	18	16	14	18	16	14	18	16	14	17	15	14	13	13	13	13

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	Luminous shape not found, reference photometric report, or contact the photometric lab for calculations.		
5°			
10°			
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°	44.2	4.9	1.8	0°	458	458	458	458	458	
10°-20°	135.9	15.0	5.7	5°	453	456	460	462	464	43
20°-30°	210.4	23.2	8.8	15°	431	470	501	490	478	124
30°-40°	233.5	25.7	9.7	25°	455	444	470	465	449	204
40°-50°	163.0	18.0	6.8	35°	334	347	404	416	403	210
50°-60°	80.8	8.9	3.4	45°	209	204	207	207	205	157
60°-70°	32.5	3.6	1.4	55°	69	77	81	80	81	69
70°-80°	6.0	0.7	0.2	65°	31	30	30	30	30	31
80°-90°	1.4	0.2	0.1	75°	5	5	5	5	6	6
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°	390.5	43.0	16.3	165°	0	0	0	0	0	0
0°-40°	624.0	68.7	26.0	175°	0	0	0	0	0	0
0°-60°	867.8	95.6	36.2	180°	0	0	0	0	0	0
0°-90°	907.7	100.0	37.8							
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°	907.7	100.0	37.8							



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	458.5	458.5	458.5	458.5	458.5
2.5°	456.1	457.6	458.5	459.0	459.1
5°	452.7	455.8	460.1	462.5	463.6
7.5°	446.4	455.0	466.5	470.4	471.1
10°	444.3	459.7	479.9	482.0	479.6
12.5°	440.1	465.1	489.6	483.8	476.3
15°	431.2	469.6	501.0	490.1	478.3
17.5°	431.5	476.1	511.0	496.8	479.3
20°	443.5	476.9	504.7	492.6	470.9
22.5°	456.9	461.2	489.3	478.8	458.8
25°	455.1	444.3	469.7	464.9	448.6
27.5°	433.1	428.3	454.1	447.1	431.5
30°	407.2	403.9	442.3	444.7	427.3
32.5°	372.6	374.1	430.5	448.1	429.8
35°	333.9	347.0	404.4	416.2	403.0
37.5°	304.0	317.2	359.6	361.7	350.8
40°	267.4	283.6	306.4	294.2	288.1
42.5°	237.7	244.8	247.0	239.6	237.1
45°	208.8	204.1	207.2	206.9	205.0
47.5°	171.7	168.0	179.6	186.6	189.0
50°	132.1	136.2	153.3	167.4	180.6
52.5°	97.8	110.5	124.9	132.2	144.5
55°	69.1	76.8	80.9	80.5	81.1
57.5°	50.9	55.8	61.5	59.5	57.4
60°	52.0	53.1	61.7	62.7	65.6
62.5°	50.4	49.6	52.9	52.4	54.2
65°	30.8	30.0	30.1	29.7	30.1
67.5°	15.7	15.6	16.2	16.4	16.5
70°	9.8	9.9	10.3	10.3	10.3
72.5°	7.0	7.0	7.2	7.3	7.5
75°	5.0	5.1	5.3	5.4	5.5
77.5°	3.7	3.8	3.8	3.9	4.0
80°	2.8	2.8	2.8	2.9	3.0
82.5°	1.9	1.9	2.0	2.0	2.1
85°	1.2	1.2	1.2	1.3	1.3
87.5°	0.6	0.6	0.6	0.6	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)