

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: P247330

Luminaire Tested: **LD8B80D010 ER8B809730 8LBM0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P247330  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P201734)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B80D010 ER8B809730 8LBM0WMH  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT  
97 CRI 3000 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5864.1 lumens  
Efficiency: N/A  
Efficacy: 78.8 lumens/watt  
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.9  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

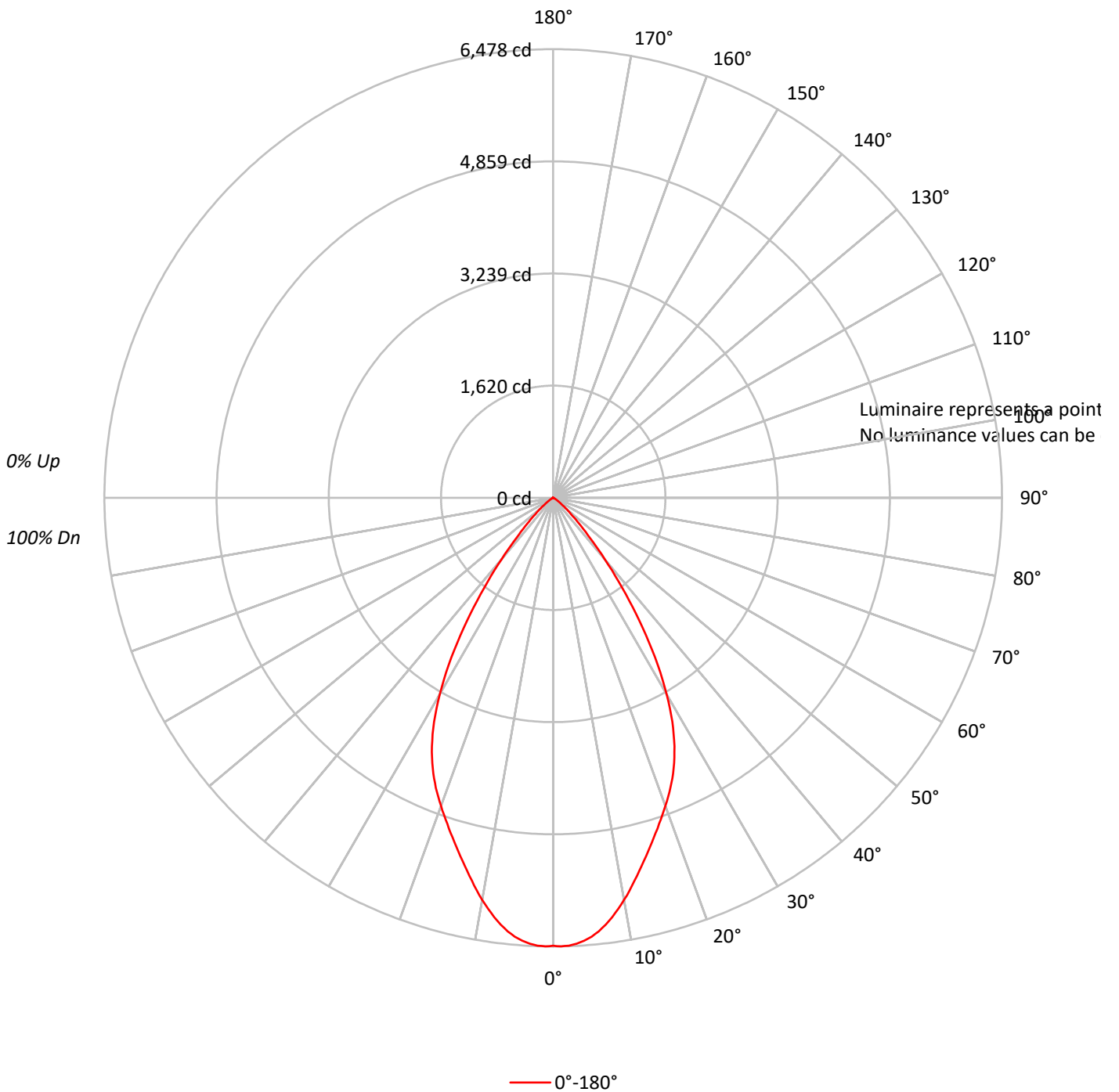
Input Watts (W): 74.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97	96	95	93
2	108	103	99	95	105	101	97	94	98	95	92		95	92	90		92	90	88	86
3	102	95	90	86	100	94	89	86	91	87	84		89	86	83		87	84	82	80
4	97	89	83	79	95	88	82	78	86	81	77		84	80	77		82	78	76	74
5	92	83	77	73	90	82	76	72	80	75	72		79	74	71		77	73	70	69
6	87	78	72	67	85	77	71	67	75	70	66		74	69	66		73	69	65	64
7	82	73	67	62	81	72	66	62	71	66	62		70	65	61		68	64	61	60
8	78	68	62	58	77	68	62	58	67	61	58		66	61	57		65	60	57	56
9	74	64	58	54	73	64	58	54	63	58	54		62	57	54		61	57	54	52
10	71	61	55	51	70	60	55	51	60	54	51		59	54	51		58	54	50	49

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	591.9	10.1
10°-20°	1484.3	25.3
20°-30°	1873.7	32.0
30°-40°	1347.8	23.0
40°-50°	446.1	7.6
50°-60°	97.2	1.7
60°-70°	20.0	0.3
70°-80°	2.0	0.0
80°-90°	1.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3949.9	67.4
0°-40°	5297.8	90.3
0°-60°	5841.1	99.6
0°-90°	5864.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5864.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6469	
5°	6361	592
15°	5288	1484
25°	4138	1874
35°	2172	1348
45°	524	446
55°	95	97
65°	18	20
75°	2	2
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6468.6
1°	6477.7
2°	6470.1
3°	6448.8
4°	6409.1
5°	6360.9
6°	6294.8
7°	6208.6
8°	6113.6
9°	6009.6
10°	5895.3
11°	5778.5
12°	5651.4
13°	5528.9
14°	5405.7
15°	5287.5
16°	5171.1
17°	5059.6
18°	4949.0
19°	4842.6
20°	4735.5
21°	4625.8
22°	4518.7
23°	4402.1
24°	4276.5
25°	4138.5
26°	3993.6
27°	3832.2
28°	3661.5
29°	3471.9
30°	3274.4
31°	3066.7
32°	2848.0
33°	2618.6
34°	2394.2
35°	2172.1
37.5°	1631.2
40°	1155.9
42.5°	783.1
45°	523.7
47.5°	351.3
50°	234.8
52.5°	141.8
55°	95.1
57.5°	66.2



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	39.3
62.5°	26.9
65°	18.0
67.5°	16.1
70°	1.5
72.5°	3.7
75°	1.5
77.5°	1.5
80°	0.0
82.5°	3.7
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)