

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: P250715

Luminaire Tested: **LD8B80D010 ER8B80830 8LBM0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250715  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13935)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B80D010 ER8B80830 8LBM0MW  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT  
80 CRI 3000 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8032.0 lumens  
Efficiency: N/A  
Efficacy: 108.0 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.93  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

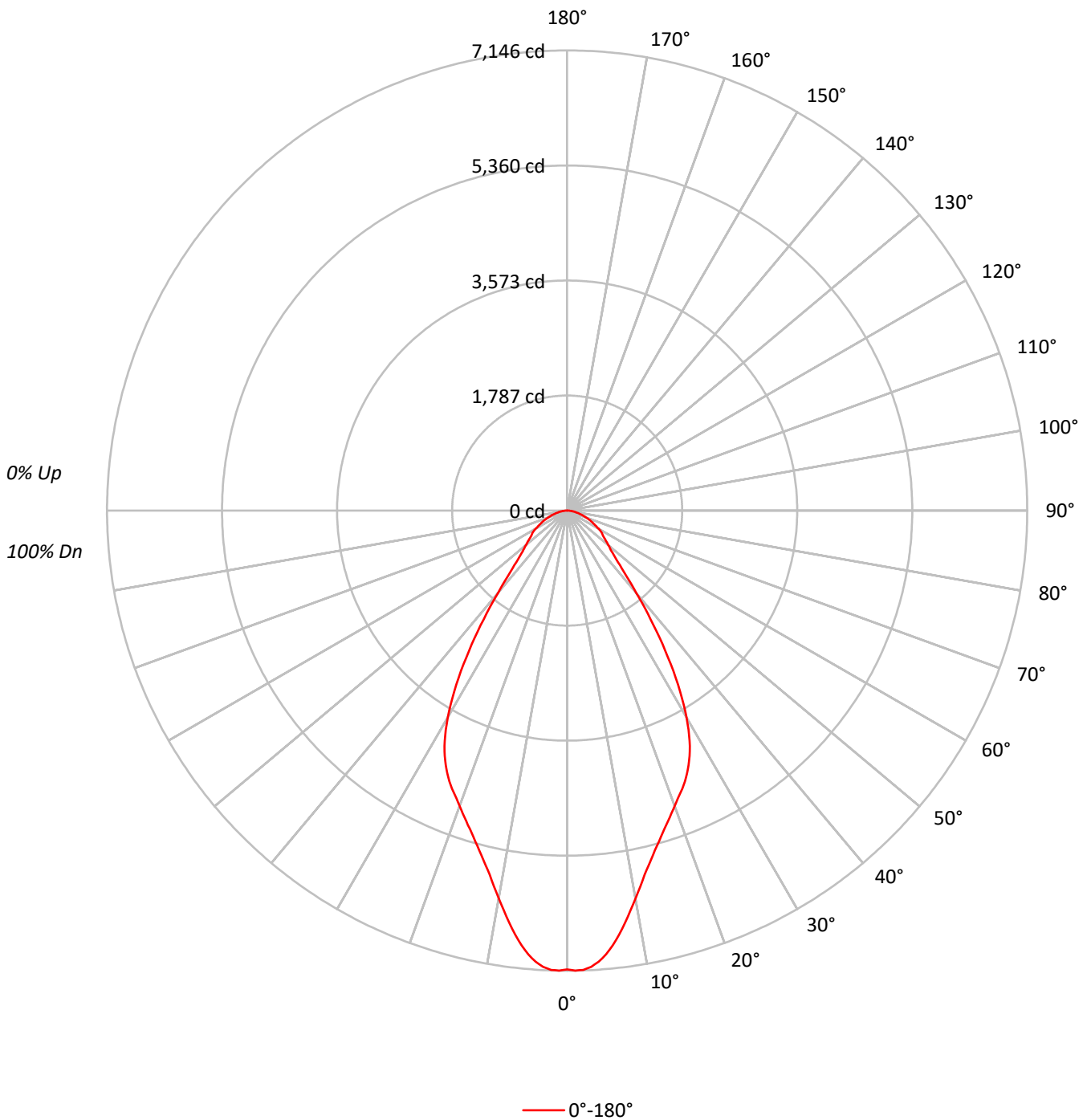
Input Watts (W): 74.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	112	108	105	102	109	106	103	100	102	99	97		98	96	94		94	93	91	89
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80	76	73	71
4	91	82	75	69	89	80	74	69	78	72	68		76	71	67		74	70	66	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	59
6	80	69	62	57	78	68	62	57	67	61	56		65	60	56		64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	60	53	48	70	59	53	48	58	52	48		57	51	47		56	51	47	46
9	67	56	49	44	66	56	49	44	54	48	44		54	48	44		53	48	44	42
10	64	53	46	41	63	52	46	41	51	45	41		50	45	41		50	45	41	39

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

	0°
0°	219703
5°	214137
10°	191439
15°	172036
20°	160214
25°	150934
30°	131976
35°	99987
40°	67164
45°	47325
50°	40134
55°	36606
60°	34679
65°	31200
70°	28076
75°	25199
80°	22286
85°	21370



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	633.2	7.9
10°-20°	1519.7	18.9
20°-30°	2014.0	25.1
30°-40°	1651.5	20.6
40°-50°	879.6	11.0
50°-60°	619.1	7.7
60°-70°	426.9	5.3
70°-80°	222.3	2.8
80°-90°	65.7	0.8
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°	4166.9	51.9
0°-40°	5818.4	72.4
0°-60°	7317.0	91.1
0°-90°	8032.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8032.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7125	
5°	6918	633
15°	5389	1520
25°	4436	2014
35°	2656	1651
45°	1085	880
55°	681	619
65°	428	427
75°	212	222
85°	60	66
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	7124.8
1°	7145.7
2°	7136.4
3°	7094.5
4°	7022.6
5°	6917.9
6°	6787.8
7°	6632.2
8°	6464.8
9°	6285.9
10°	6113.9
11°	5948.9
12°	5781.6
13°	5642.2
14°	5509.8
15°	5388.9
16°	5275.0
17°	5170.5
18°	5072.8
19°	4975.3
20°	4882.3
21°	4791.7
22°	4712.7
23°	4631.3
24°	4536.1
25°	4436.1
26°	4322.3
27°	4194.5
28°	4050.4
29°	3890.1
30°	3706.5
31°	3513.6
32°	3311.4
33°	3095.3
34°	2879.2
35°	2656.1
37.5°	2128.6
40°	1668.5
42.5°	1317.6
45°	1085.2
47.5°	931.9
50°	836.6
52.5°	752.9
55°	680.9
57.5°	636.7



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	562.3
62.5°	490.3
65°	427.6
67.5°	371.8
70°	311.4
72.5°	260.2
75°	211.5
77.5°	153.4
80°	125.5
82.5°	90.6
85°	60.4
87.5°	27.9
90°	0.0

(END OF REPORT)