

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: P250547

Luminaire Tested: **LD8B80D010 ER8B80830 8LBM0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250547
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13928)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B80D010 ER8B80830 8LBM0B
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
80 CRI 3000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5131.0 lumens
Efficiency: N/A
Efficacy: 69.0 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.87
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

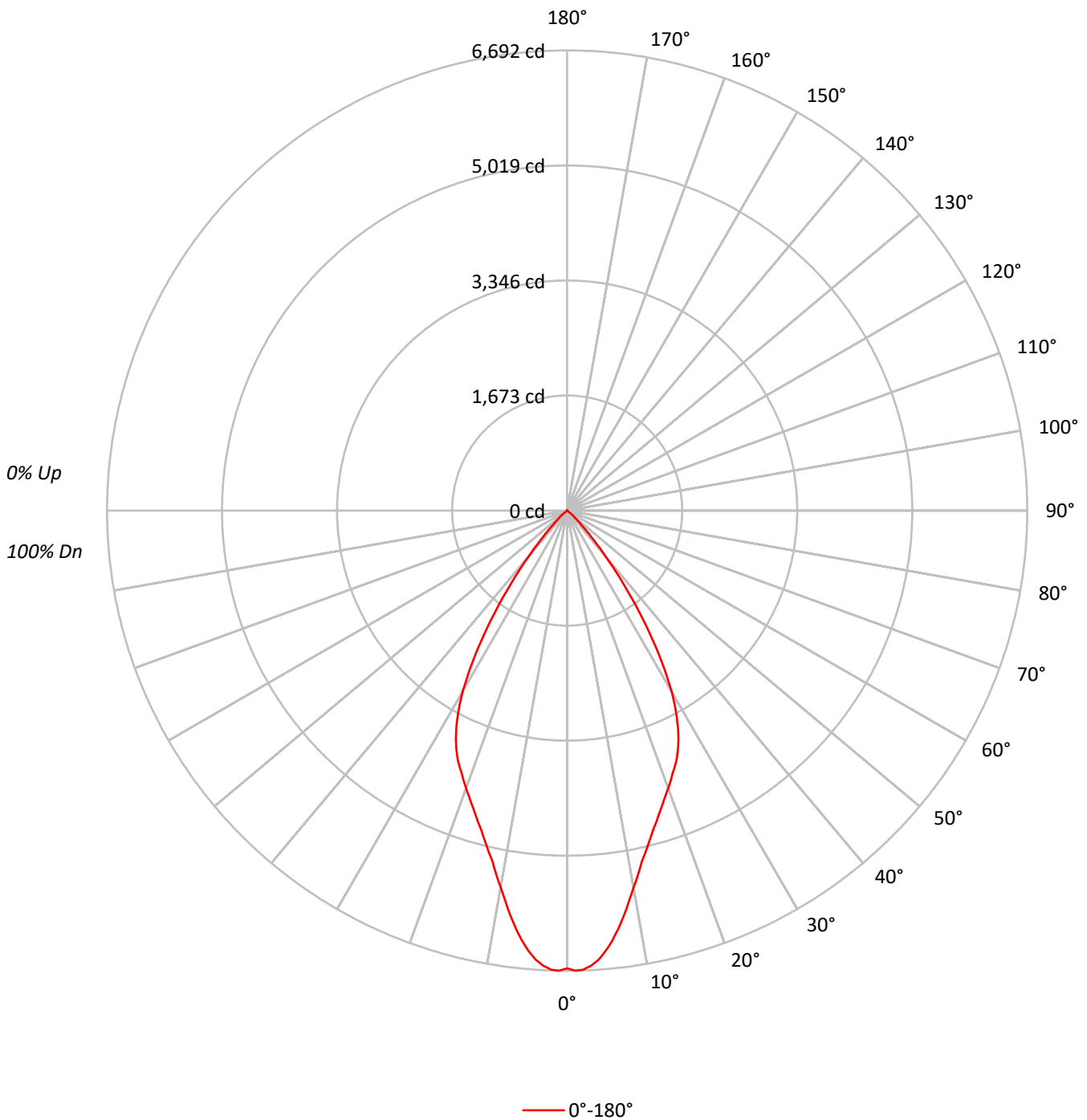
Input Watts (W): 74.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	108	106	111	109	107	105	105	103	101		101	100	98		98	97	96	94
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93	91	89	87
3	103	96	92	88	101	95	91	87	92	89	86		90	87	84		88	85	83	81
4	98	90	85	81	96	89	84	80	87	83	79		85	81	78		83	80	77	76
5	93	85	79	75	91	84	78	74	82	77	74		80	76	73		79	75	72	71
6	88	79	74	69	87	79	73	69	77	72	69		76	71	68		74	71	68	66
7	84	75	69	65	83	74	68	64	73	68	64		72	67	64		70	66	63	62
8	80	70	64	60	79	70	64	60	69	64	60		68	63	60		67	63	60	58
9	76	66	61	57	75	66	60	57	65	60	56		64	60	56		63	59	56	55
10	72	63	57	53	71	62	57	53	62	57	53		61	56	53		60	56	53	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	205296
5°	199019
10°	174301
15°	153884
20°	141011
25°	129839
30°	108066
35°	71780
40°	34932
45°	12651
50°	3809
55°	269
60°	0
65°	182
70°	0
75°	0
80°	444
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	584.8	11.4
10°-20°	1358.0	26.5
20°-30°	1722.9	33.6
30°-40°	1180.3	23.0
40°-50°	269.0	5.2
50°-60°	13.4	0.3
60°-70°	0.6	0.0
70°-80°	1.0	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°	3665.7	71.4
0°-40°	4846.0	94.4
0°-60°	5128.4	99.9
0°-90°	5131.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5131.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6658	
5°	6430	585
15°	4820	1358
25°	3816	1723
35°	1907	1180
45°	290	269
55°	5	13
65°	2	1
75°	0	1
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6657.6
1°	6692.4
2°	6679.9
3°	6630.3
4°	6546.0
5°	6429.5
6°	6288.2
7°	6124.5
8°	5943.5
9°	5750.1
10°	5566.6
11°	5398.0
12°	5217.0
13°	5085.6
14°	4946.7
15°	4820.3
16°	4706.2
17°	4594.6
18°	4490.5
19°	4388.8
20°	4297.1
21°	4202.8
22°	4106.1
23°	4021.9
24°	3927.6
25°	3816.1
26°	3692.1
27°	3548.3
28°	3394.5
29°	3223.4
30°	3035.0
31°	2821.7
32°	2601.1
33°	2370.5
34°	2134.9
35°	1906.8
37.5°	1346.4
40°	867.8
42.5°	510.8
45°	290.1
47.5°	156.2
50°	79.4
52.5°	14.9
55°	5.0
57.5°	2.5



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CANDELA DISTRIBUTION (continued):

	0°
60°	0.0
62.5°	0.0
65°	2.5
67.5°	0.0
70°	0.0
72.5°	2.5
75°	0.0
77.5°	0.0
80°	2.5
82.5°	0.0
85°	0.0
87.5°	2.5
90°	0.0

(END OF REPORT)