

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: P244359

Luminaire Tested: **LD8B30D010 ER8B30950 8LBN0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244359  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27944)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B30D010 ER8B30950 8LBN0H  
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
90 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2584.0 lumens  
Efficiency: N/A  
Efficacy: 95.4 lumens/watt  
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.79  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

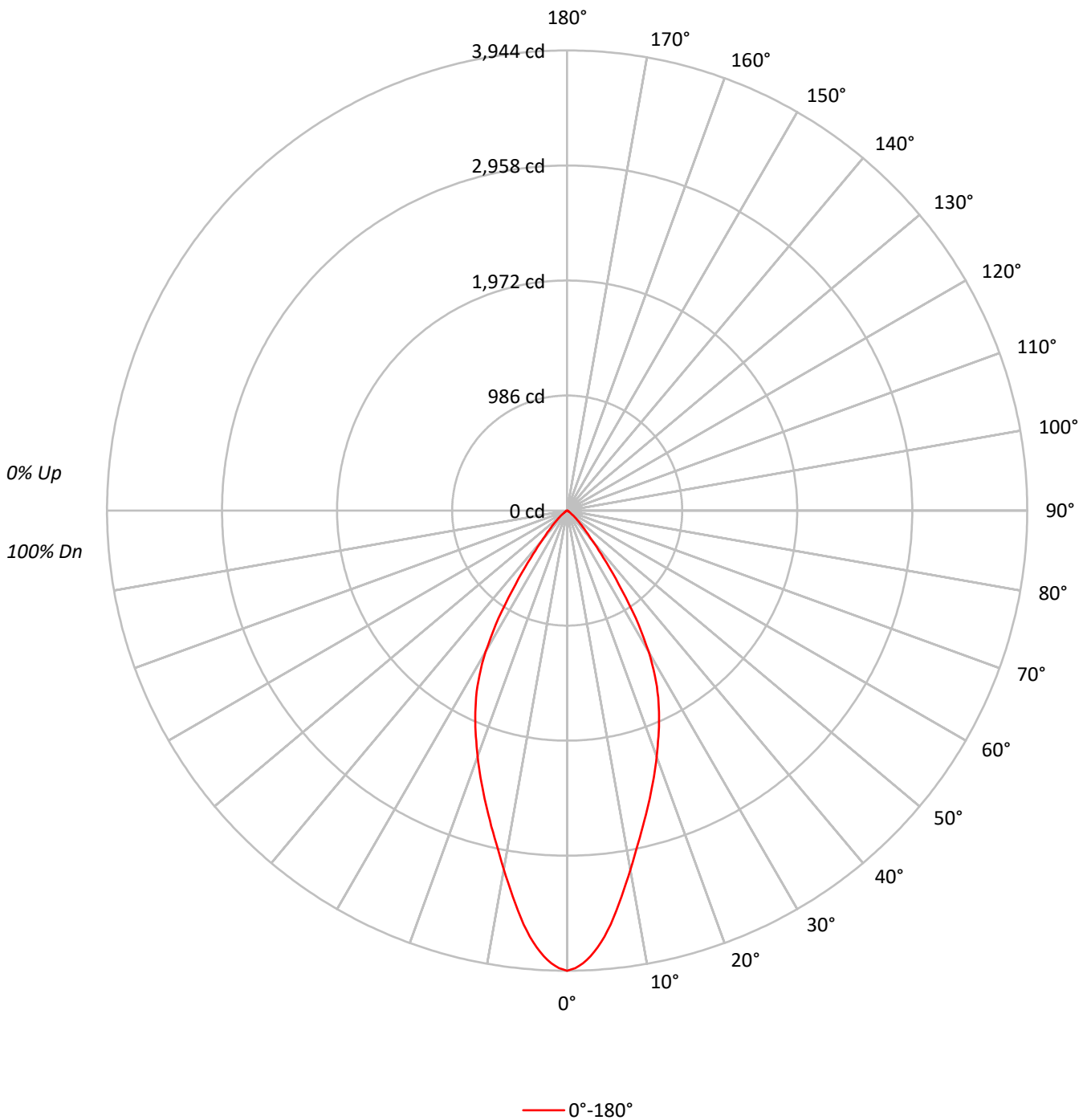
Input Watts (W): 27.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	111	109	106	111	109	107	105	105	103	101		101	100	98		98	97	96	94
2	108	104	100	96	106	102	98	95	99	96	93		96	93	91		93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88	86	83	82
4	98	91	85	81	96	90	85	81	87	83	80		85	82	79		84	80	78	76
5	93	85	79	75	92	84	79	75	82	78	74		81	77	74		79	76	73	72
6	89	80	74	70	87	79	74	70	78	73	69		76	72	69		75	71	69	67
7	85	76	70	66	83	75	69	65	74	69	65		72	68	65		71	67	64	63
8	81	71	66	62	79	71	65	61	70	65	61		69	64	61		68	64	61	59
9	77	68	62	58	76	67	62	58	66	61	58		65	61	58		64	60	57	56
10	74	64	59	55	73	64	58	55	63	58	55		62	58	54		61	57	54	53

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

	0°
0°	121634
5°	113453
10°	97797
15°	84637
20°	73628
25°	63275
30°	49718
35°	29009
40°	13384
45°	6925
50°	3473
55°	1688
60°	863
65°	511
70°	234
75°	203
80°	160
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	331.7	12.8
10°-20°	741.3	28.7
20°-30°	842.8	32.6
30°-40°	495.0	19.2
40°-50°	132.8	5.1
50°-60°	31.5	1.2
60°-70°	7.2	0.3
70°-80°	1.6	0.1
80°-90°	0.1	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°	1915.8	74.1
0°-40°	2410.7	93.3
0°-60°	2575.1	99.7
0°-90°	2584.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2584.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3944	
5°	3665	332
15°	2651	741
25°	1860	843
35°	771	495
45°	159	133
55°	31	32
65°	7	7
75°	2	2
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3944.5
1°	3922.7
2°	3882.5
3°	3825.8
4°	3752.5
5°	3665.2
6°	3566.6
7°	3454.9
8°	3343.2
9°	3230.7
10°	3123.3
11°	3018.6
12°	2920.0
13°	2828.3
14°	2736.7
15°	2651.2
16°	2567.4
17°	2484.5
18°	2404.2
19°	2323.1
20°	2243.7
21°	2164.2
22°	2088.3
23°	2013.3
24°	1936.5
25°	1859.7
26°	1780.3
27°	1693.9
28°	1603.1
29°	1503.6
30°	1396.3
32.5°	1095.2
35°	770.6
37.5°	507.9
40°	332.5
42.5°	229.5
45°	158.8
47.5°	109.1
50°	72.4
52.5°	47.1
55°	31.4
57.5°	20.9
60°	14.0
62.5°	9.6
65°	7.0



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	4.4
70°	2.6
72.5°	1.7
75°	1.7
77.5°	0.9
80°	0.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)