

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: P244665

Luminaire Tested: **LD8B30D010 ER8B30827 8LBW0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244665  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-44)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B30D010 ER8B30827 8LBW0WMH  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
80 CRI 2700 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2823.0 lumens  
Efficiency: N/A  
Efficacy: 104.2 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.06  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

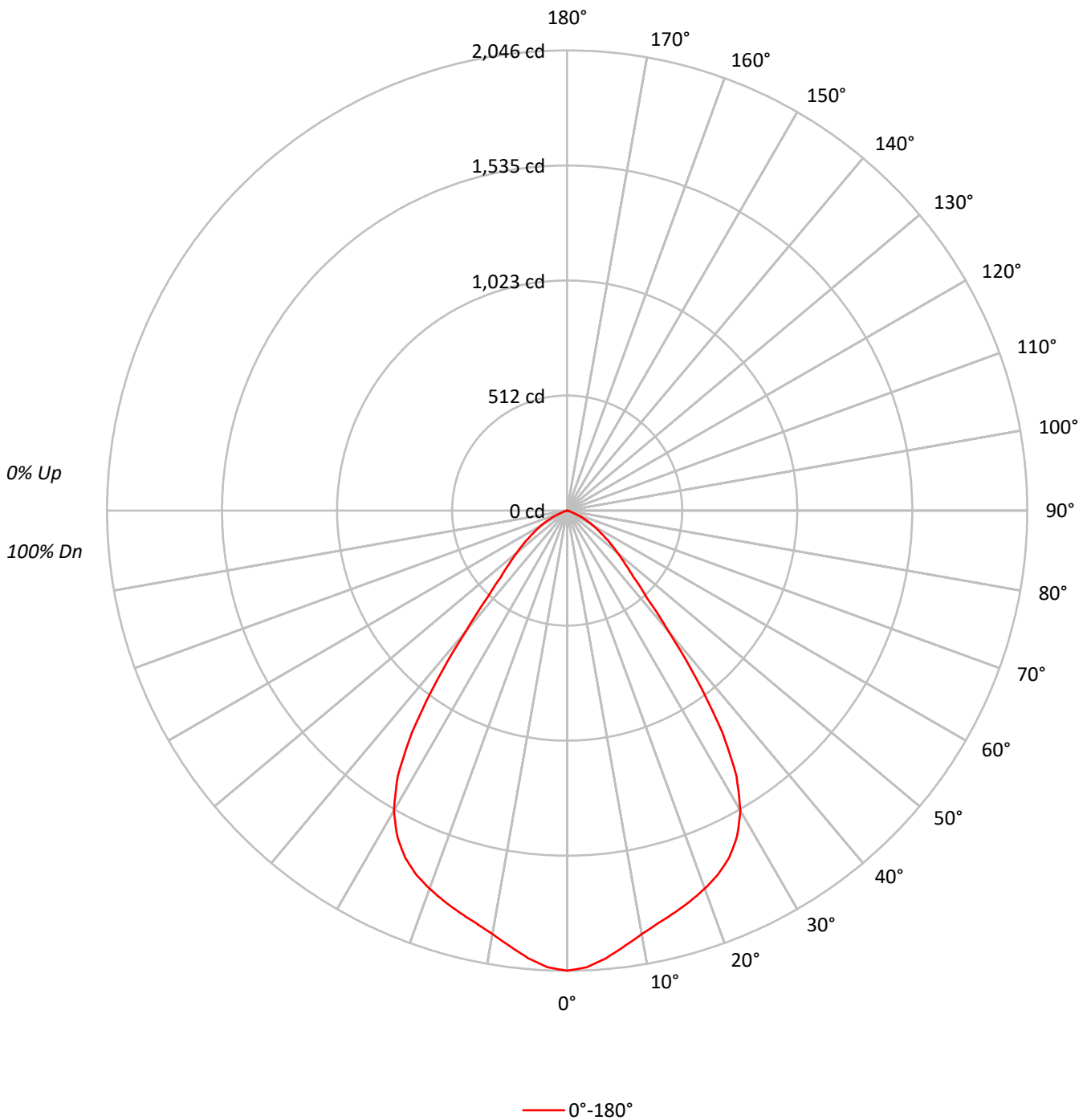
Input Watts (W): 27.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	109	106	104	110	107	104	102	103	101	99		99	98	96		96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	87	84	83
3	99	91	86	81	97	90	85	80	87	83	79		85	81	78		82	79	76	75
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76	73	69	68
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71	67	63	62
6	82	71	64	59	80	70	64	59	69	63	59		67	62	58		66	61	58	56
7	77	66	59	54	75	65	59	54	64	58	54		63	57	53		61	57	53	51
8	72	61	54	50	71	61	54	50	60	54	49		58	53	49		57	53	49	47
9	68	57	50	46	67	57	50	46	56	50	46		55	49	45		54	49	45	44
10	65	54	47	42	63	53	47	42	52	46	42		51	46	42		51	46	42	41

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

	0°
0°	63085
5°	61818
10°	59859
15°	59053
20°	58700
25°	57960
30°	54841
35°	45233
40°	28242
45°	18163
50°	14085
55°	10844
60°	8215
65°	5341
70°	2281
75°	1120
80°	497
85°	318



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	187.8	6.7
10°-20°	522.6	18.5
20°-30°	778.4	27.6
30°-40°	722.9	25.6
40°-50°	341.4	12.1
50°-60°	183.5	6.5
60°-70°	73.6	2.6
70°-80°	11.6	0.4
80°-90°	1.1	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°	1488.8	52.7
0°-40°	2211.7	78.3
0°-60°	2736.6	96.9
0°-90°	2823.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2823.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2046	
5°	1997	188
15°	1850	523
25°	1704	778
35°	1202	723
45°	416	341
55°	202	183
65°	73	74
75°	9	12
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2045.8
2.5°	2031.8
5°	1997.1
7.5°	1953.0
10°	1911.7
12.5°	1877.9
15°	1849.8
17.5°	1820.7
20°	1788.8
22.5°	1752.2
25°	1703.5
27.5°	1635.0
30°	1540.2
32.5°	1401.4
35°	1201.6
37.5°	946.5
40°	701.6
42.5°	522.5
45°	416.5
47.5°	348.0
50°	293.6
52.5°	244.8
55°	201.7
57.5°	164.2
60°	133.2
62.5°	104.1
65°	73.2
67.5°	43.1
70°	25.3
72.5°	15.0
75°	9.4
77.5°	5.6
80°	2.8
82.5°	1.9
85°	0.9
87.5°	0.0
90°	0.0

(END OF REPORT)