

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: P244905

Luminaire Tested: **LD8B30D010 ER8B30850 8LBS0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244905  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-14)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B30D010 ER8B30850 8LBS0WMH  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
80 CRI 5000 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3367.9 lumens  
Efficiency: N/A  
Efficacy: 124.3 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.25  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

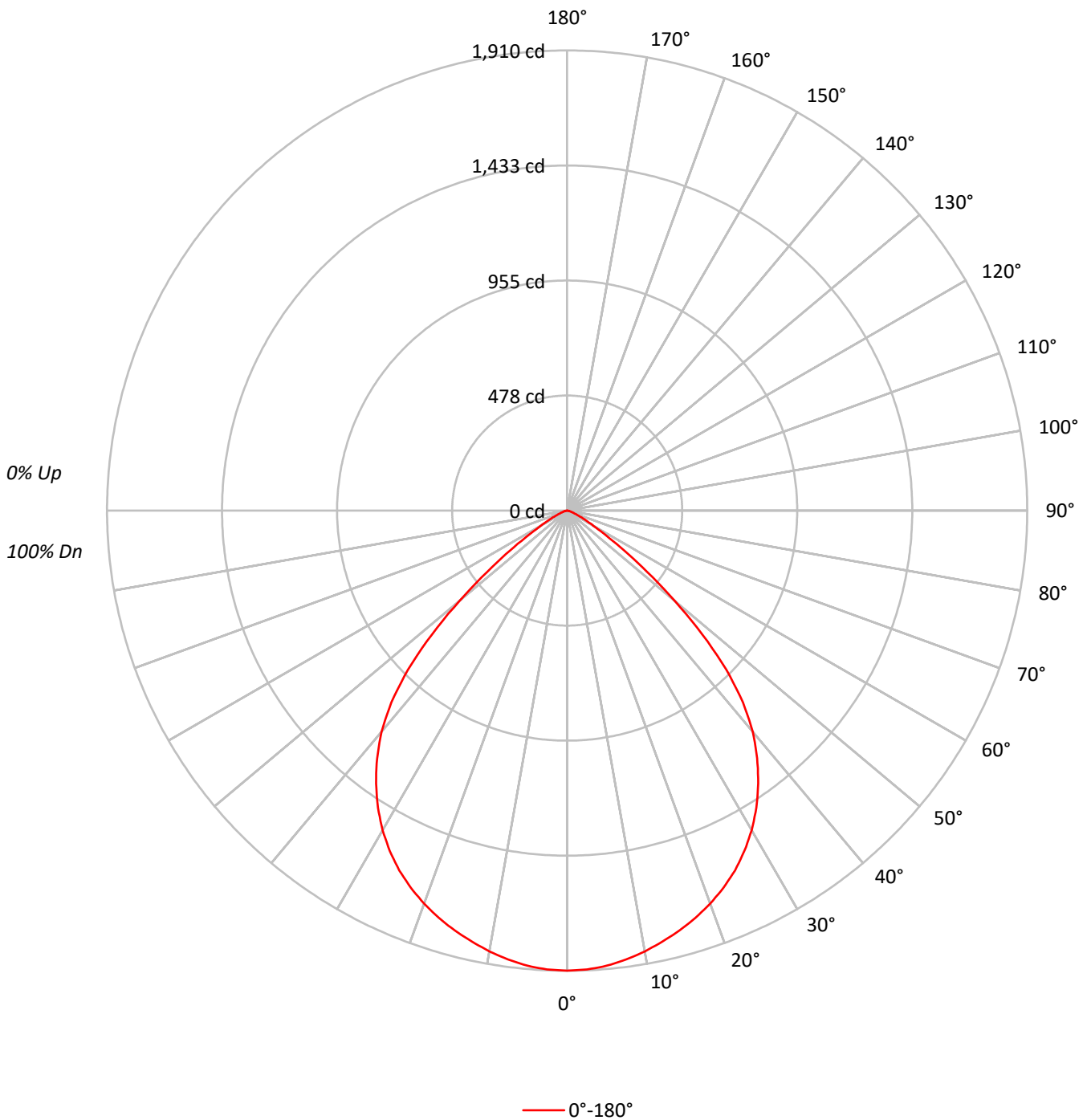
Input Watts (W): 27.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	101	102	100	98	99	97	95	95	94	92	91
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	81
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65
5	85	74	67	62	83	73	67	61	71	65	61	70	64	60	68	63	60	58
6	79	68	61	55	77	67	60	55	66	59	55	64	58	54	63	58	54	52
7	74	63	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	54	48	45	43
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36

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

	0°
0°	58885
5°	58701
10°	58175
15°	57597
20°	56981
25°	56079
30°	54539
35°	52054
40°	48240
45°	40731
50°	27944
55°	15413
60°	7746
65°	4363
70°	2371
75°	1692
80°	1083
85°	708



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	179.8	5.3
10°-20°	508.8	15.1
20°-30°	757.6	22.5
30°-40°	860.5	25.6
40°-50°	703.4	20.9
50°-60°	275.6	8.2
60°-70°	64.2	1.9
70°-80°	15.5	0.5
80°-90°	2.5	0.1
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°	1446.2	42.9
0°-40°	2306.7	68.5
0°-60°	3285.8	97.6
0°-90°	3367.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3367.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1910	
5°	1896	180
15°	1804	509
25°	1648	758
35°	1383	861
45°	934	703
55°	287	276
65°	60	64
75°	14	15
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1909.6
2.5°	1906.6
5°	1896.4
7.5°	1879.2
10°	1857.9
12.5°	1831.6
15°	1804.2
17.5°	1771.8
20°	1736.4
22.5°	1694.8
25°	1648.2
27.5°	1593.5
30°	1531.7
32.5°	1461.8
35°	1382.8
37.5°	1295.7
40°	1198.4
42.5°	1080.9
45°	934.0
47.5°	761.8
50°	582.5
52.5°	418.4
55°	286.7
57.5°	187.4
60°	125.6
62.5°	86.1
65°	59.8
67.5°	39.5
70°	26.3
72.5°	18.2
75°	14.2
77.5°	10.1
80°	6.1
82.5°	3.0
85°	2.0
87.5°	1.0
90°	0.0

(END OF REPORT)