

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: P244287

Luminaire Tested: **LD8B30D010 ER8B30950 8LBW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244287  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27940)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B30D010 ER8B30950 8LBW0H  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 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: 2860.0 lumens  
Efficiency: N/A  
Efficacy: 105.5 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.12  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

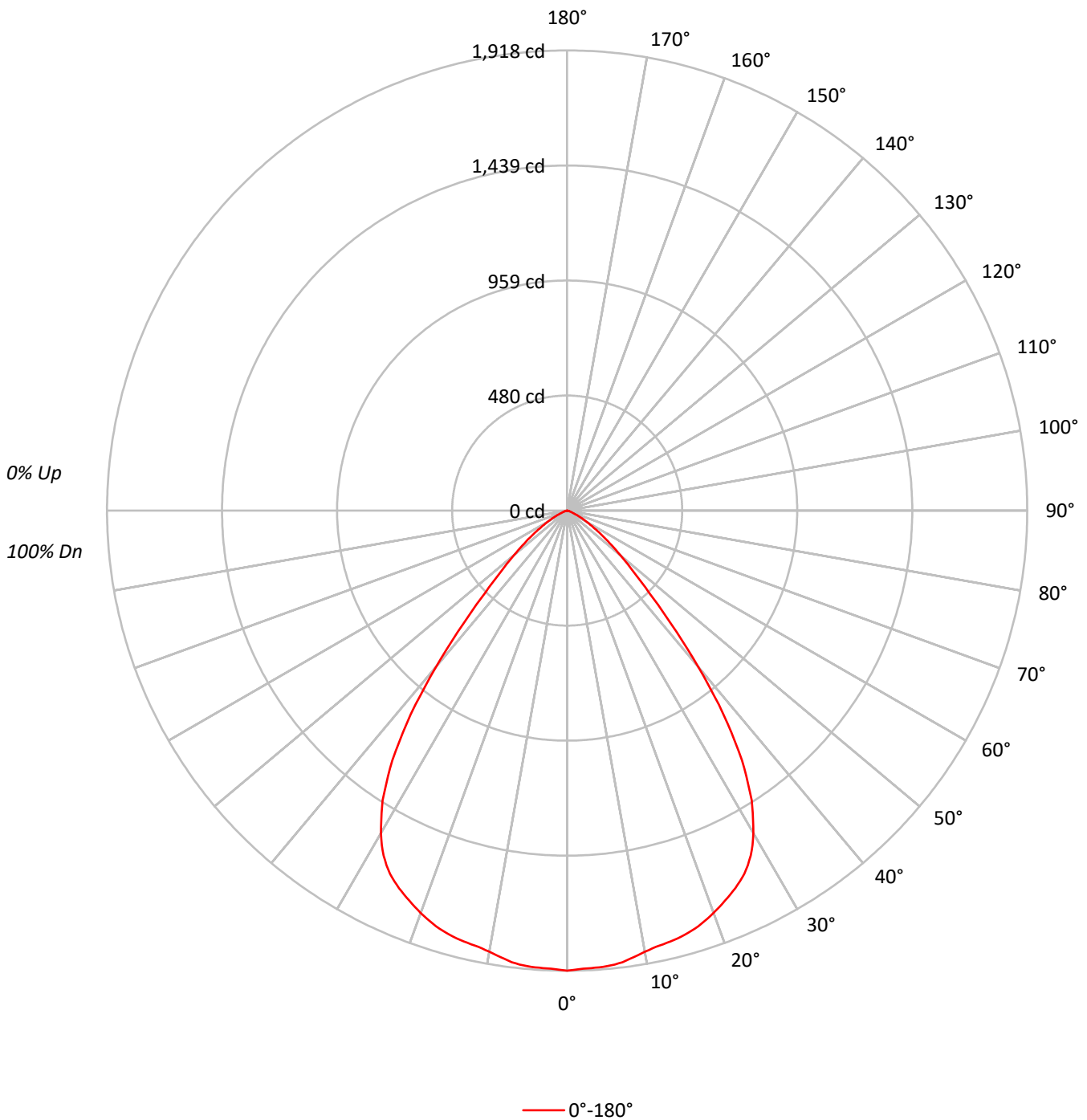
Input Watts (W): 27.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96	95	93	92
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83	79	77	75
4	93	84	78	73	91	83	77	72	81	75	71		79	74	71		77	73	70	68
5	87	77	71	66	85	76	70	65	75	69	65		73	68	64		71	67	63	62
6	82	71	65	60	80	71	64	59	69	63	59		68	62	58		66	62	58	56
7	77	66	59	54	75	65	59	54	64	58	54		63	57	53		62	57	53	52
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	64	53	47	42	63	53	47	42	52	46	42		51	46	42		50	45	42	40

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

	0°
0°	59135
5°	59005
10°	58469
15°	58689
20°	58566
25°	57994
30°	55276
35°	47857
40°	34139
45°	20980
50°	13840
55°	9156
60°	5865
65°	3196
70°	1569
75°	786
80°	444
85°	283



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	180.7	6.3
10°-20°	518.5	18.1
20°-30°	780.3	27.3
30°-40°	772.6	27.0
40°-50°	392.5	13.7
50°-60°	158.2	5.5
60°-70°	47.9	1.7
70°-80°	8.2	0.3
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°	1479.6	51.7
0°-40°	2252.1	78.7
0°-60°	2802.8	98.0
0°-90°	2860.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2860.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1918	
5°	1906	181
15°	1838	519
25°	1704	780
35°	1271	773
45°	481	393
55°	170	158
65°	44	48
75°	7	8
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1917.7
1°	1913.6
2°	1910.3
3°	1909.5
4°	1908.7
5°	1906.2
6°	1902.9
7°	1896.3
8°	1886.3
9°	1877.2
10°	1867.3
11°	1859.1
12°	1853.3
13°	1849.1
14°	1844.2
15°	1838.4
16°	1830.9
17°	1821.9
18°	1811.1
19°	1798.7
20°	1784.7
21°	1769.8
22°	1754.9
23°	1739.2
24°	1722.7
25°	1704.5
26°	1684.6
27°	1659.0
28°	1629.3
29°	1593.7
30°	1552.4
32.5°	1431.7
35°	1271.3
37.5°	1071.3
40°	848.1
42.5°	640.6
45°	481.1
47.5°	367.8
50°	288.5
52.5°	224.0
55°	170.3
57.5°	126.5
60°	95.1
62.5°	67.8
65°	43.8



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	27.3
70°	17.4
72.5°	10.7
75°	6.6
77.5°	4.1
80°	2.5
82.5°	1.7
85°	0.8
87.5°	0.0
90°	0.0

(END OF REPORT)