

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: P243855

Luminaire Tested: **LD8B30D010 ER8B30950 8LBW0LI**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P243855  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27941)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B30D010 ER8B30950 8LBW0LI  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
90 CRI 5000 CCT WITH SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3009.9 lumens  
Efficiency: N/A  
Efficacy: 111.1 lumens/watt  
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.17  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

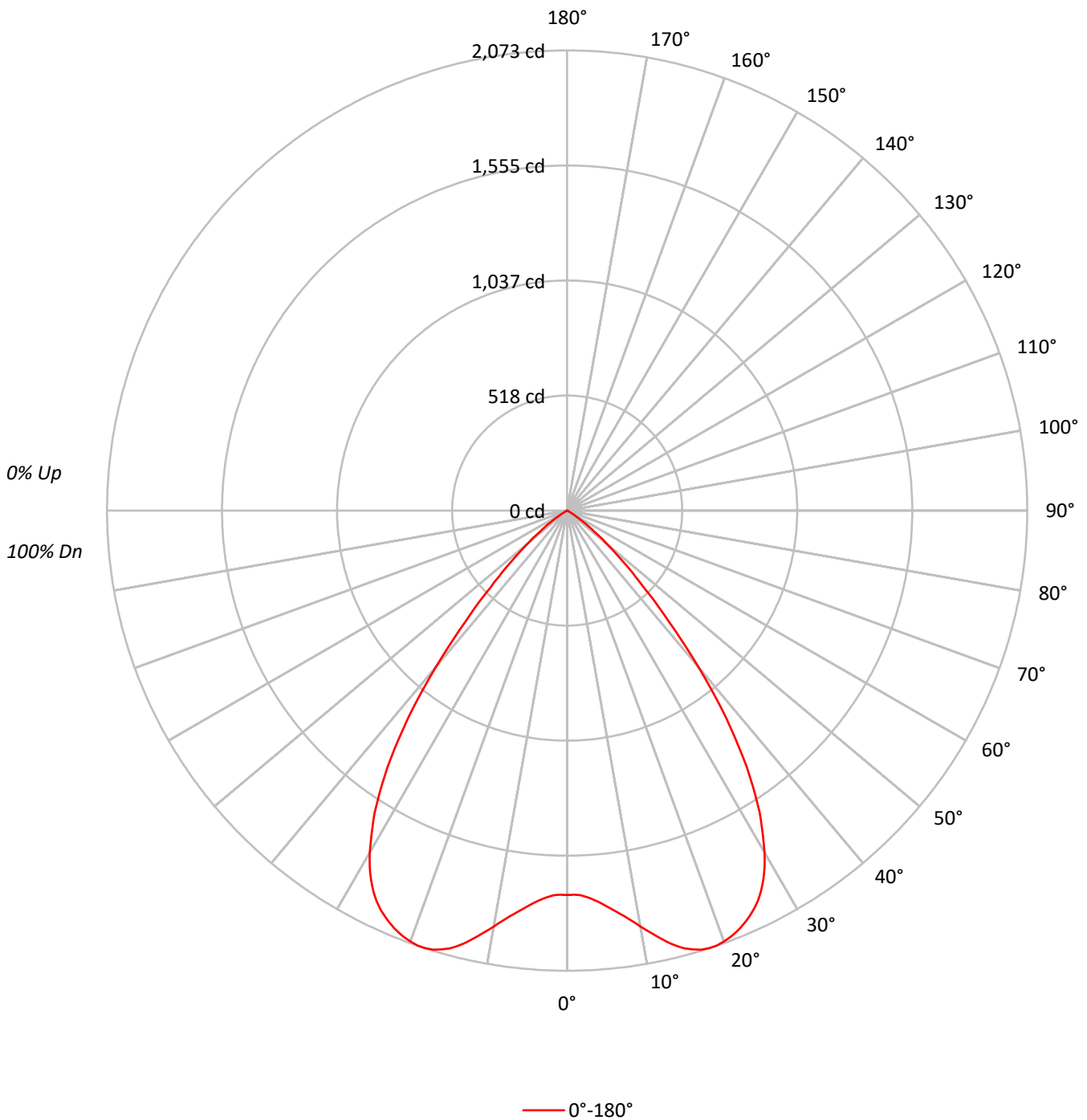
Input Watts (W): 27.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84
3	100	93	87	83	98	92	86	82	89	85	81	86	83	80	84	81	78	77
4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78	75	72	70
5	88	79	72	68	87	78	72	67	76	71	67	74	70	66	73	69	65	64
6	83	73	66	62	82	72	66	61	71	65	61	69	64	60	68	63	60	58
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54
8	74	63	56	52	72	62	56	52	61	55	51	60	55	51	59	54	51	49
9	70	59	52	48	68	58	52	47	57	51	47	56	51	47	55	50	47	45
10	66	55	48	44	65	54	48	44	53	48	44	53	47	44	52	47	43	42

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

	0°
0°	53405
5°	54984
10°	59565
15°	65173
20°	67803
25°	67555
30°	63366
35°	53135
40°	36993
45°	21190
50°	11379
55°	4693
60°	1166
65°	299
70°	144
75°	95
80°	142
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	173.7	5.8
10°-20°	575.4	19.1
20°-30°	905.3	30.1
30°-40°	861.2	28.6
40°-50°	397.0	13.2
50°-60°	90.2	3.0
60°-70°	5.9	0.2
70°-80°	1.2	0.0
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°	1654.4	55.0
0°-40°	2515.5	83.6
0°-60°	3002.7	99.8
0°-90°	3009.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3009.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1732	
5°	1776	174
15°	2042	575
25°	1986	905
35°	1412	861
45°	486	397
55°	87	90
65°	4	6
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1731.9
1°	1731.0
2°	1734.3
3°	1744.2
4°	1759.0
5°	1776.3
6°	1797.7
7°	1820.8
8°	1844.7
9°	1872.7
10°	1902.3
11°	1932.0
12°	1963.3
13°	1992.9
14°	2020.1
15°	2041.5
16°	2057.2
17°	2067.9
18°	2072.8
19°	2072.0
20°	2066.2
21°	2056.3
22°	2044.0
23°	2027.5
24°	2008.6
25°	1985.5
26°	1958.3
27°	1923.7
28°	1882.6
29°	1834.8
30°	1779.6
32.5°	1614.1
35°	1411.5
37.5°	1176.0
40°	919.0
42.5°	679.4
45°	485.9
47.5°	344.2
50°	237.2
52.5°	151.5
55°	87.3
57.5°	43.6
60°	18.9
62.5°	7.4
65°	4.1



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	2.5
70°	1.6
72.5°	1.6
75°	0.8
77.5°	0.8
80°	0.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)