

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: P243849

Luminaire Tested: **LD8B30D010 ER8B30940 8LBW0LI**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P243849  
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 ER8B30940 8LBW0LI  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
90 CRI 4000 CCT WITH SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2907.0 lumens  
Efficiency: N/A  
Efficacy: 107.3 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

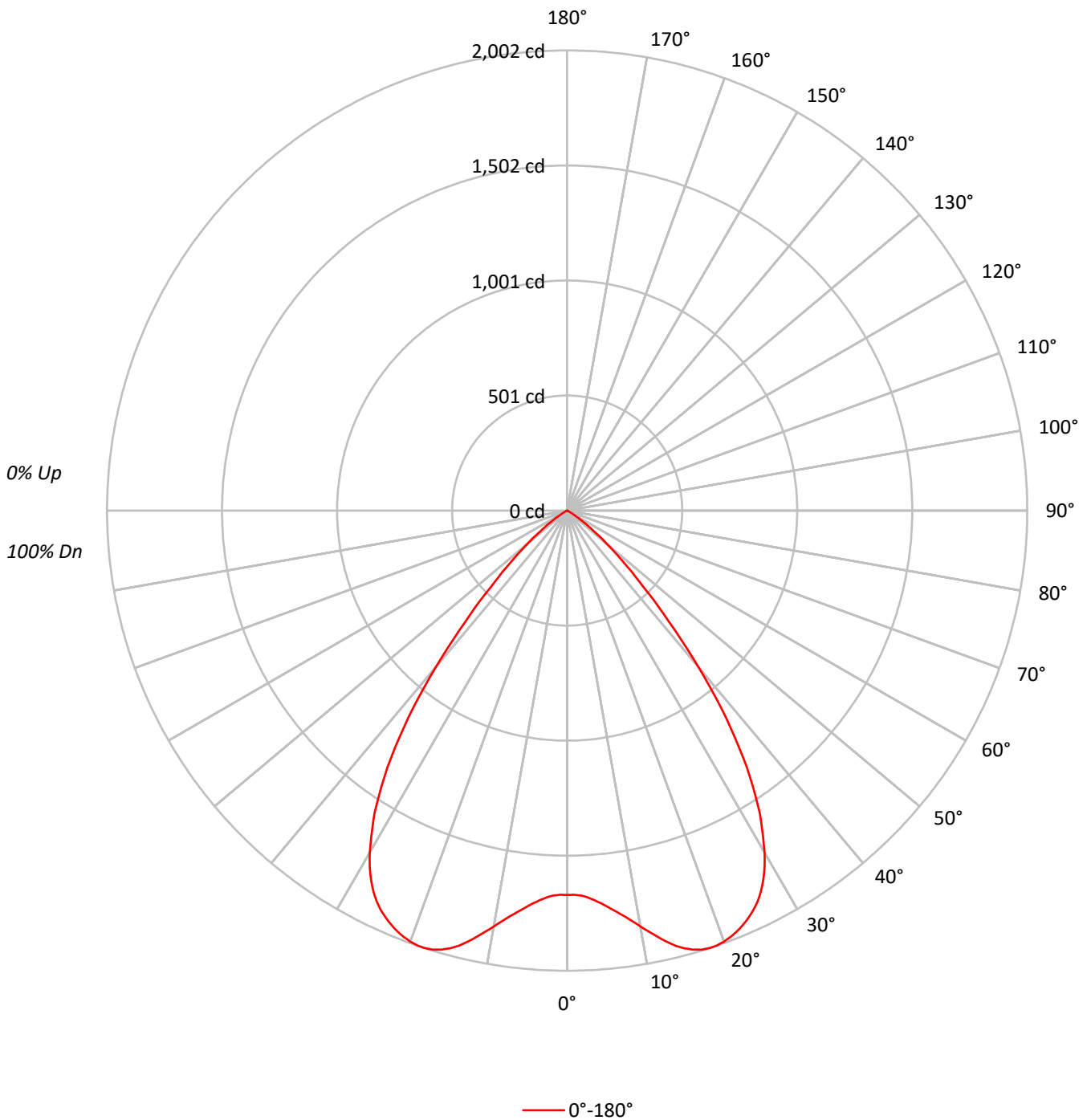
Input Watts (W): 27.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	51577
5°	53102
10°	57526
15°	62942
20°	65483
25°	65245
30°	61197
35°	51317
40°	35729
45°	20461
50°	10991
55°	4532
60°	1129
65°	292
70°	144
75°	95
80°	142
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	167.7	5.8
10°-20°	555.7	19.1
20°-30°	874.3	30.1
30°-40°	831.7	28.6
40°-50°	383.4	13.2
50°-60°	87.1	3.0
60°-70°	5.8	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°	1597.8	55.0
0°-40°	2429.5	83.6
0°-60°	2900.0	99.8
0°-90°	2907.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2907.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1673	
5°	1716	168
15°	1972	556
25°	1918	874
35°	1363	832
45°	469	383
55°	84	87
65°	4	6
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1672.6
1°	1671.8
2°	1675.0
3°	1684.5
4°	1698.8
5°	1715.5
6°	1736.2
7°	1758.5
8°	1781.6
9°	1808.6
10°	1837.2
11°	1865.9
12°	1896.1
13°	1924.7
14°	1951.0
15°	1971.6
16°	1986.8
17°	1997.1
18°	2001.9
19°	2001.1
20°	1995.5
21°	1986.0
22°	1974.0
23°	1958.1
24°	1939.8
25°	1917.6
26°	1891.3
27°	1857.9
28°	1818.1
29°	1772.0
30°	1718.7
32.5°	1558.9
35°	1363.2
37.5°	1135.7
40°	887.6
42.5°	656.2
45°	469.2
47.5°	332.5
50°	229.1
52.5°	146.3
55°	84.3
57.5°	42.2
60°	18.3
62.5°	7.2
65°	4.0



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	2.4
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)