

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: P244059

Luminaire Tested: **LD8B30D010 ER8B30935 8LBSOLI**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244059  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-12)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B30D010 ER8B30935 8LBSOLI  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
90 CRI 3500 CCT WITH SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2974.1 lumens  
Efficiency: N/A  
Efficacy: 109.7 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.24  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

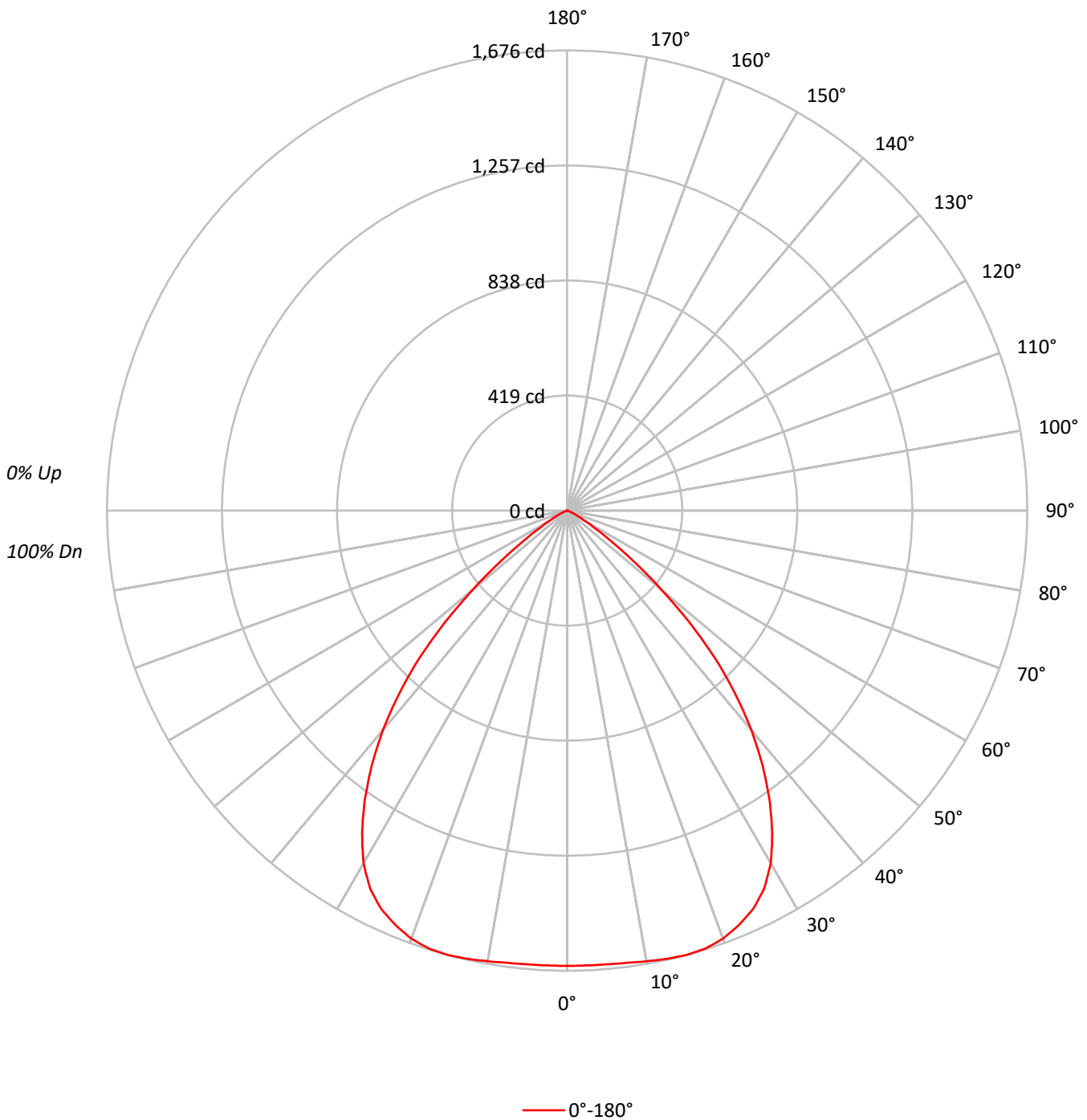
Input Watts (W): 27.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	97	96		96	94	93	91
2	105	99	95	91	103	98	93	90	94	91	88		91	88	86		88	86	84	82
3	98	91	85	80	96	89	84	79	86	82	78		84	80	77		82	78	75	74
4	92	83	76	71	90	82	75	71	79	74	70		77	73	69		75	71	68	66
5	86	76	69	63	84	75	68	63	73	67	63		71	66	62		69	65	61	60
6	80	70	62	57	79	69	62	57	67	61	56		66	60	56		64	59	56	54
7	75	64	57	52	74	63	56	52	62	56	51		61	55	51		59	54	51	49
8	71	59	52	47	69	58	52	47	57	51	47		56	51	46		55	50	46	45
9	66	55	48	43	65	54	48	43	53	47	43		52	47	43		51	46	42	41
10	62	51	44	39	61	50	44	39	50	43	39		49	43	39		48	43	39	37

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

	0°
0°	51133
5°	51353
10°	52188
15°	53508
20°	54441
25°	54503
30°	52815
35°	48358
40°	42025
45°	33256
50°	21564
55°	10774
60°	4527
65°	1992
70°	613
75°	310
80°	302
85°	318



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	158.6	5.3
10°-20°	473.6	15.9
20°-30°	733.7	24.7
30°-40°	796.8	26.8
40°-50°	579.0	19.5
50°-60°	196.8	6.6
60°-70°	31.4	1.1
70°-80°	3.4	0.1
80°-90°	0.7	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°	1366.0	45.9
0°-40°	2162.8	72.7
0°-60°	2938.6	98.8
0°-90°	2974.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2974.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1658	
5°	1659	159
15°	1676	474
25°	1602	734
35°	1285	797
45°	763	579
55°	200	197
65°	27	31
75°	3	3
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1658.2
2.5°	1658.2
5°	1659.0
7.5°	1661.6
10°	1666.7
12.5°	1672.7
15°	1676.1
17.5°	1672.7
20°	1659.0
22.5°	1634.3
25°	1601.9
27.5°	1553.3
30°	1483.3
32.5°	1390.3
35°	1284.6
37.5°	1169.4
40°	1044.0
42.5°	908.4
45°	762.6
47.5°	605.6
50°	449.5
52.5°	307.9
55°	200.4
57.5°	122.0
60°	73.4
62.5°	45.2
65°	27.3
67.5°	15.4
70°	6.8
72.5°	4.3
75°	2.6
77.5°	1.7
80°	1.7
82.5°	0.9
85°	0.9
87.5°	0.0
90°	0.0

(END OF REPORT)