

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: P244935

Luminaire Tested: **LD8B30D010 ER8B30950 8LBS0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244935  
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 ER8B30950 8LBS0WMH  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
90 CRI 5000 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3066.0 lumens  
Efficiency: N/A  
Efficacy: 113.1 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

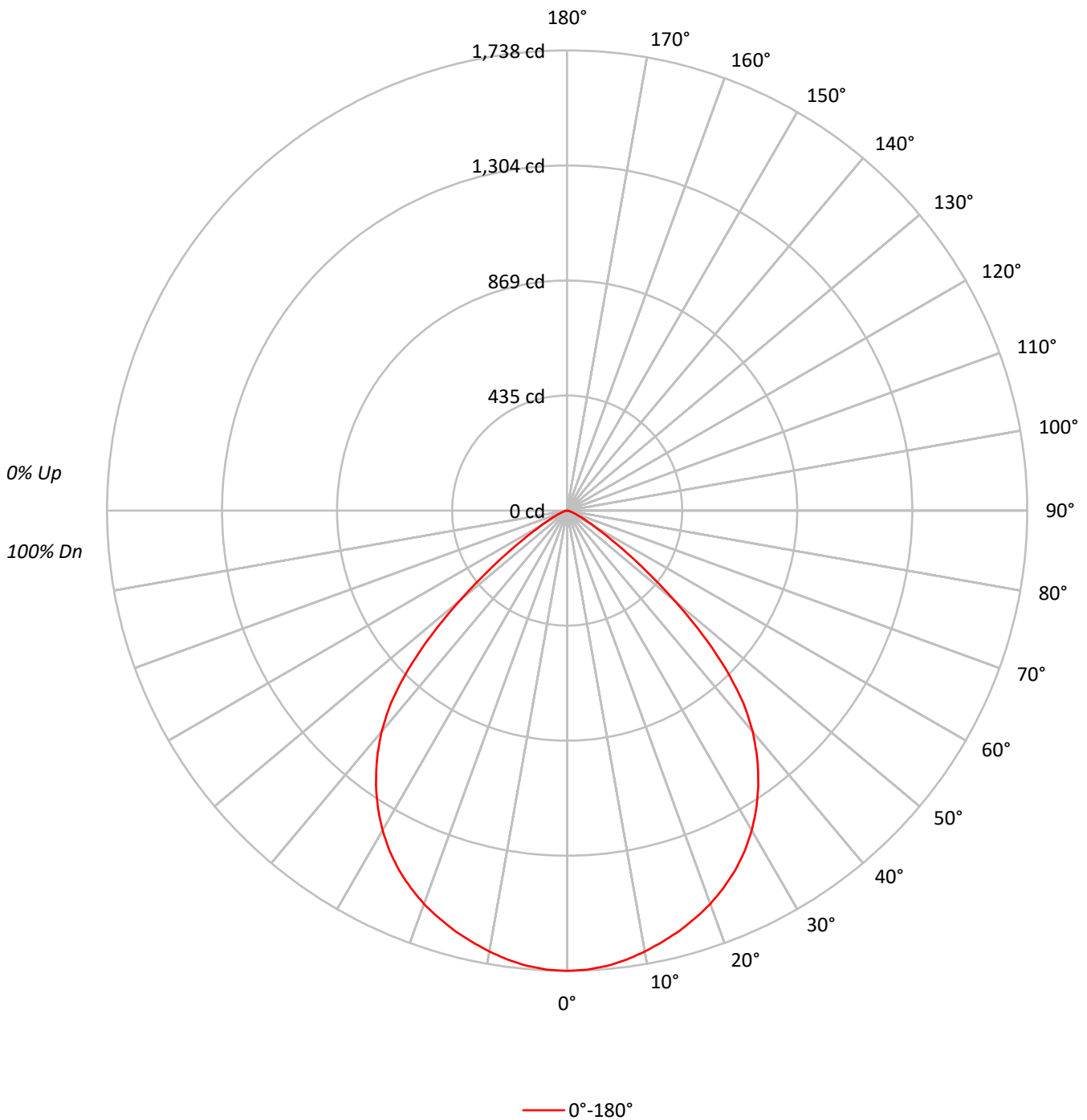
Input Watts (W): 27.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	53606
5°	53439
10°	52958
15°	52435
20°	51871
25°	51050
30°	49650
35°	47387
40°	43917
45°	37081
50°	25440
55°	14032
60°	7055
65°	3969
70°	2164
75°	1537
80°	977
85°	637



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	163.6	5.3
10°-20°	463.2	15.1
20°-30°	689.6	22.5
30°-40°	783.4	25.6
40°-50°	640.4	20.9
50°-60°	250.9	8.2
60°-70°	58.5	1.9
70°-80°	14.1	0.5
80°-90°	2.2	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°	1316.5	42.9
0°-40°	2099.9	68.5
0°-60°	2991.2	97.6
0°-90°	3066.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3066.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1738	
5°	1726	164
15°	1642	463
25°	1500	690
35°	1259	783
45°	850	640
55°	261	251
65°	54	59
75°	13	14
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1738.4
2.5°	1735.6
5°	1726.4
7.5°	1710.7
10°	1691.3
12.5°	1667.4
15°	1642.5
17.5°	1613.0
20°	1580.7
22.5°	1542.9
25°	1500.4
27.5°	1450.6
30°	1394.4
32.5°	1330.8
35°	1258.8
37.5°	1179.5
40°	1091.0
42.5°	984.0
45°	850.3
47.5°	693.5
50°	530.3
52.5°	380.9
55°	261.0
57.5°	170.6
60°	114.4
62.5°	78.4
65°	54.4
67.5°	36.0
70°	24.0
72.5°	16.6
75°	12.9
77.5°	9.2
80°	5.5
82.5°	2.8
85°	1.8
87.5°	0.9
90°	0.0

(END OF REPORT)