

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: P246561

Luminaire Tested: **LD8B30D010 ER8B30850 8LBW0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P246561  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-48)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B30D010 ER8B30850 8LBW0MW  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
80 CRI 5000 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3194.0 lumens  
Efficiency: N/A  
Efficacy: 117.9 lumens/watt  
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.05  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

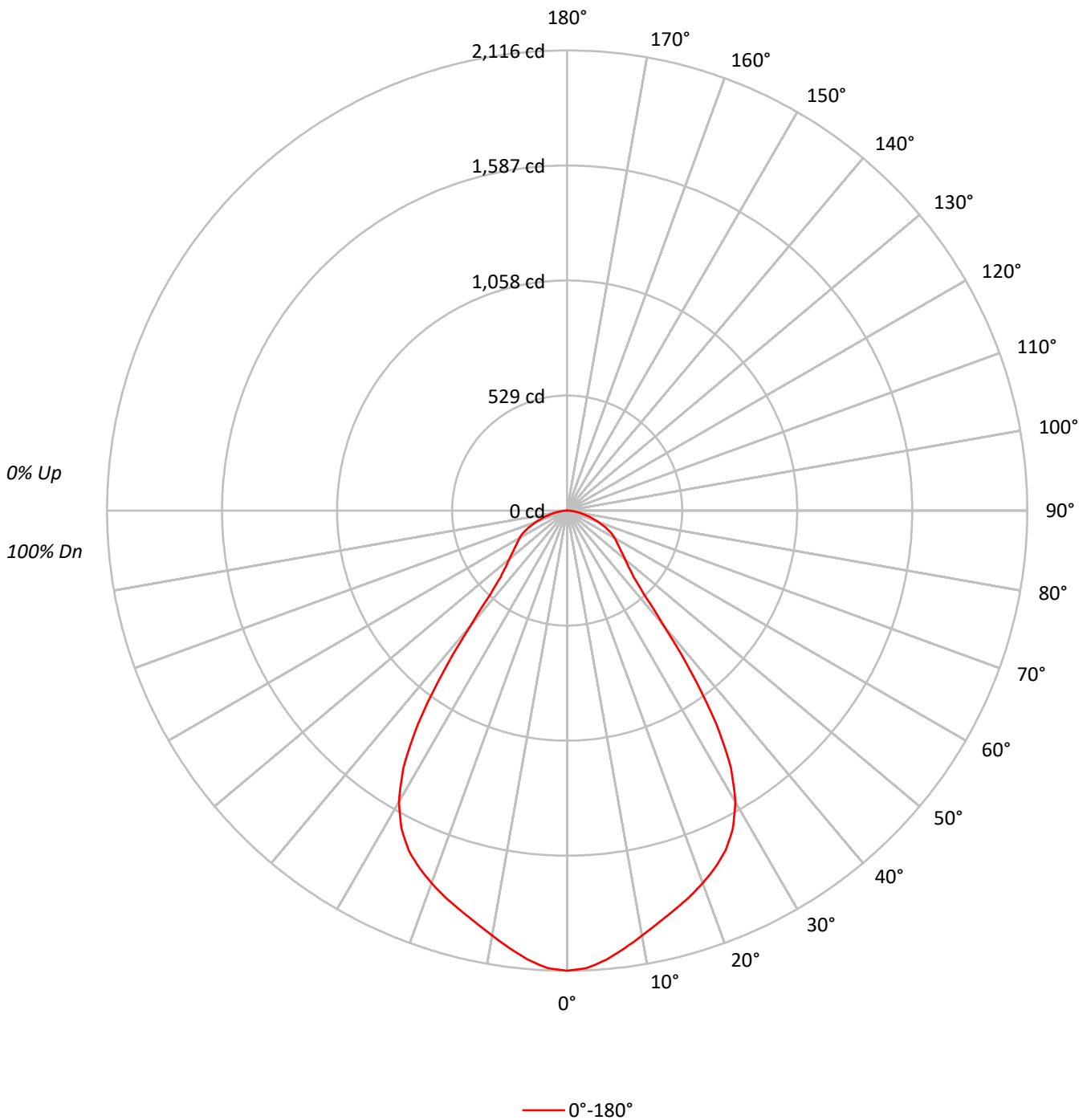
Input Watts (W): 27.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	111	107	104	101	109	105	102	99	101	99	96		97	95	93		94	92	91	89
2	103	97	91	87	101	95	90	86	92	87	84		88	85	82		86	83	80	78
3	96	88	81	76	94	86	80	75	83	78	74		81	76	73		78	75	72	70
4	90	80	73	67	88	79	72	67	76	70	66		74	69	65		72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59		68	63	59		67	62	58	56
6	79	67	60	54	77	66	59	54	65	58	54		63	58	53		62	57	53	51
7	74	62	55	49	72	61	54	49	60	54	49		59	53	49		57	52	48	47
8	69	58	50	45	68	57	50	45	56	50	45		55	49	45		54	48	45	43
9	65	54	47	42	64	53	46	42	52	46	41		51	45	41		50	45	41	40
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47	42	38	37

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

	0°
0°	65256
5°	64159
10°	62142
15°	60704
20°	59839
25°	58664
30°	55080
35°	44962
40°	27852
45°	18865
50°	16623
55°	15688
60°	15554
65°	15082
70°	13515
75°	11712
80°	9891
85°	7890



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	195.0	6.1
10°-20°	537.1	16.8
20°-30°	787.6	24.7
30°-40°	719.9	22.5
40°-50°	356.4	11.2
50°-60°	263.6	8.3
60°-70°	202.6	6.3
70°-80°	105.6	3.3
80°-90°	26.3	0.8
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°	1519.6	47.6
0°-40°	2239.5	70.1
0°-60°	2859.5	89.5
0°-90°	3194.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3194.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2116	
5°	2073	195
15°	1902	537
25°	1724	788
35°	1194	720
45°	433	356
55°	292	264
65°	207	203
75°	98	106
85°	22	26
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2116.2
2.5°	2105.1
5°	2072.7
7.5°	2029.1
10°	1984.6
12.5°	1941.0
15°	1901.5
17.5°	1864.0
20°	1823.5
22.5°	1777.9
25°	1724.2
27.5°	1650.2
30°	1546.9
32.5°	1402.1
35°	1194.4
37.5°	937.1
40°	691.9
42.5°	523.7
45°	432.6
47.5°	382.9
50°	346.5
52.5°	317.1
55°	291.8
57.5°	270.5
60°	252.2
62.5°	233.0
65°	206.7
67.5°	178.3
70°	149.9
72.5°	123.6
75°	98.3
77.5°	76.0
80°	55.7
82.5°	38.5
85°	22.3
87.5°	8.1
90°	0.0

(END OF REPORT)