

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: P244473

Luminaire Tested: **LD8B30D010 ER8B30850 8LBS0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244473  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-13)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B30D010 ER8B30850 8LBS0H  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
80 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3435.0 lumens  
Efficiency: N/A  
Efficacy: 126.8 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.23  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

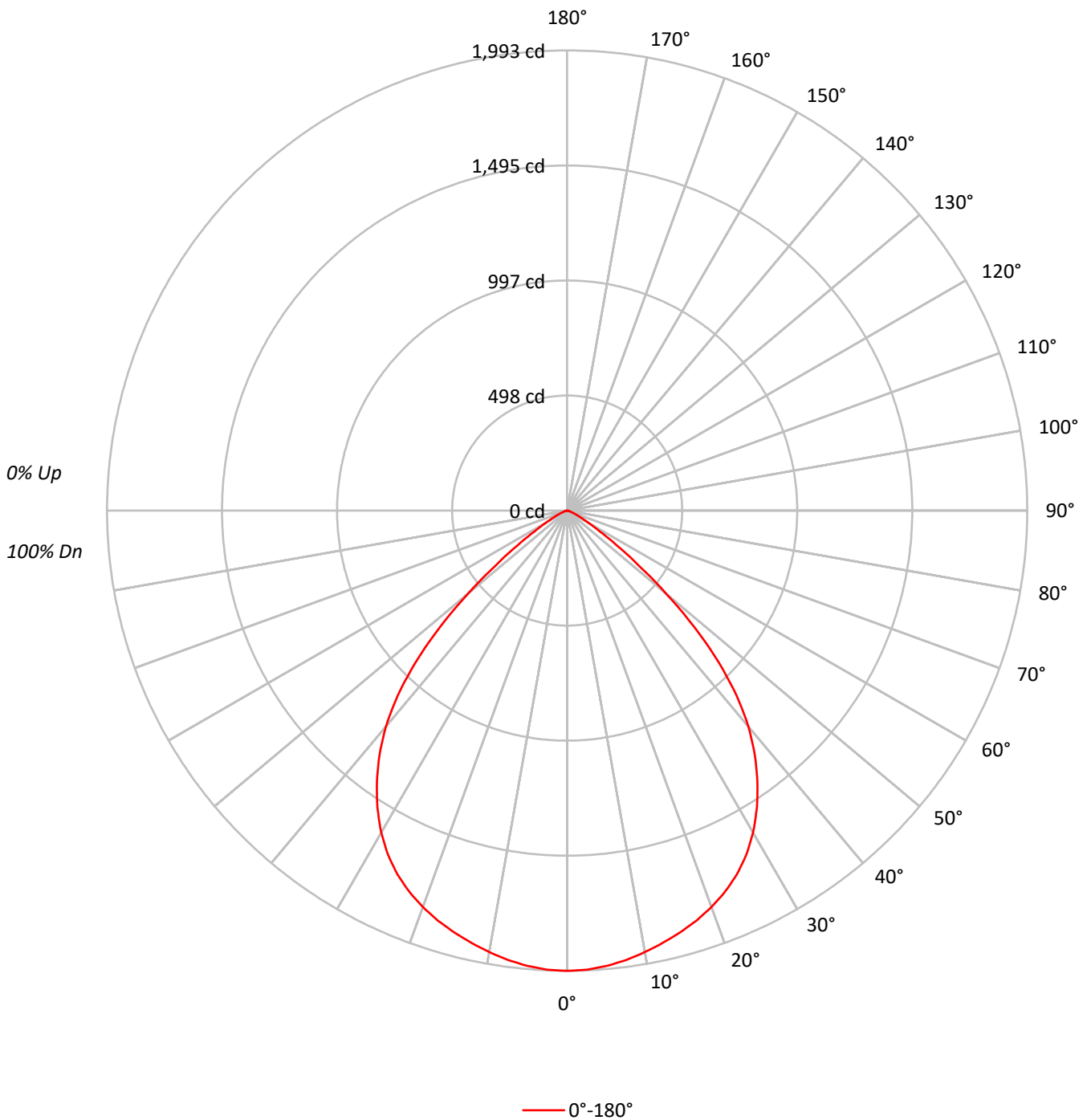
Input Watts (W): 27.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	102	103	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	85	83	81
3	98	90	84	79	96	89	83	78	86	81	77		83	79	76		81	78	75	73
4	91	82	75	70	89	81	75	70	79	73	69		76	72	68		74	70	67	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	59
6	80	69	61	56	78	68	61	56	66	60	56		65	59	55		63	58	55	53
7	75	63	56	51	73	63	56	51	61	55	50		60	54	50		59	54	50	48
8	70	58	51	46	68	58	51	46	57	50	46		55	50	46		54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42		51	46	42		51	45	42	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°	61469
5°	61264
10°	60802
15°	60372
20°	59963
25°	59175
30°	57345
35°	54106
40°	49174
45°	40461
50°	26970
55°	14048
60°	6624
65°	3473
70°	1731
75°	1203
80°	906
85°	708



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	187.7	5.5
10°-20°	533.8	15.5
20°-30°	798.5	23.2
30°-40°	893.1	26.0
40°-50°	700.6	20.4
50°-60°	255.6	7.4
60°-70°	52.1	1.5
70°-80°	11.2	0.3
80°-90°	2.3	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°	1520.0	44.2
0°-40°	2413.0	70.2
0°-60°	3369.3	98.1
0°-90°	3435.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3435.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1993	
5°	1979	188
15°	1891	534
25°	1739	798
35°	1437	893
45°	928	701
55°	261	256
65°	48	52
75°	10	11
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1993.4
2.5°	1990.4
5°	1979.2
7.5°	1963.0
10°	1941.8
12.5°	1917.5
15°	1891.1
17.5°	1861.7
20°	1827.3
22.5°	1786.8
25°	1739.2
27.5°	1680.4
30°	1610.5
32.5°	1528.5
35°	1437.3
37.5°	1335.0
40°	1221.6
42.5°	1086.9
45°	927.8
47.5°	748.5
50°	562.2
52.5°	394.0
55°	261.3
57.5°	167.1
60°	107.4
62.5°	70.9
65°	47.6
67.5°	30.4
70°	19.2
72.5°	13.2
75°	10.1
77.5°	7.1
80°	5.1
82.5°	3.0
85°	2.0
87.5°	1.0
90°	0.0

(END OF REPORT)