

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: P251088

Luminaire Tested: **LD8B60D010 ER8B60850 8LBS0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251088
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: LD8B60D010 ER8B60850 8LBS0WMH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 5000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6791.0 lumens
Efficiency: N/A
Efficacy: 114.1 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

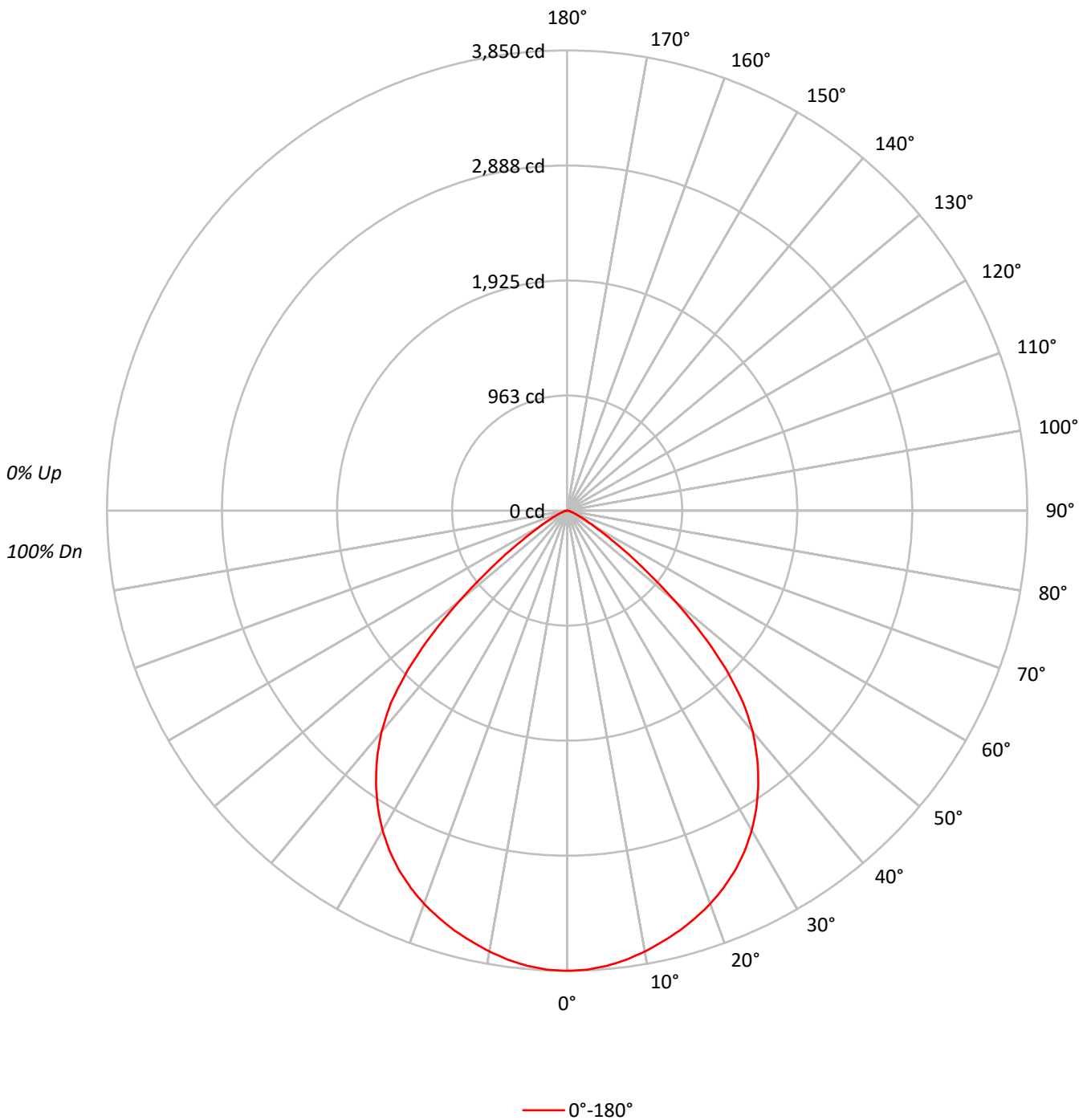
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	118732
5°	118362
10°	117301
15°	116140
20°	114890
25°	113076
30°	109971
35°	104960
40°	97274
45°	82129
50°	56344
55°	31080
60°	15622
65°	8792
70°	4787
75°	3407
80°	2184
85°	1451



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	362.5	5.3
10°-20°	1026.0	15.1
20°-30°	1527.5	22.5
30°-40°	1735.2	25.6
40°-50°	1418.3	20.9
50°-60°	555.8	8.2
60°-70°	129.5	1.9
70°-80°	31.2	0.5
80°-90°	5.0	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°	2916.0	42.9
0°-40°	4651.1	68.5
0°-60°	6625.3	97.6
0°-90°	6791.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6791.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3850	
5°	3824	362
15°	3638	1026
25°	3323	1528
35°	2788	1735
45°	1883	1418
55°	578	556
65°	120	130
75°	29	31
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3850.4
2.5°	3844.3
5°	3823.8
7.5°	3789.1
10°	3746.2
12.5°	3693.1
15°	3638.0
17.5°	3572.6
20°	3501.1
22.5°	3417.4
25°	3323.4
27.5°	3213.1
30°	3088.5
32.5°	2947.5
35°	2788.2
37.5°	2612.5
40°	2416.5
42.5°	2179.5
45°	1883.3
47.5°	1536.1
50°	1174.5
52.5°	843.6
55°	578.1
57.5°	377.9
60°	253.3
62.5°	173.6
65°	120.5
67.5°	79.7
70°	53.1
72.5°	36.8
75°	28.6
77.5°	20.4
80°	12.3
82.5°	6.1
85°	4.1
87.5°	2.0
90°	0.0

(END OF REPORT)