

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: P251094

Luminaire Tested: **LD8B60D010 ER8B60935 8LBS0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251094
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 ER8B60935 8LBS0WMH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 3500 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5717.0 lumens
Efficiency: N/A
Efficacy: 96.1 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

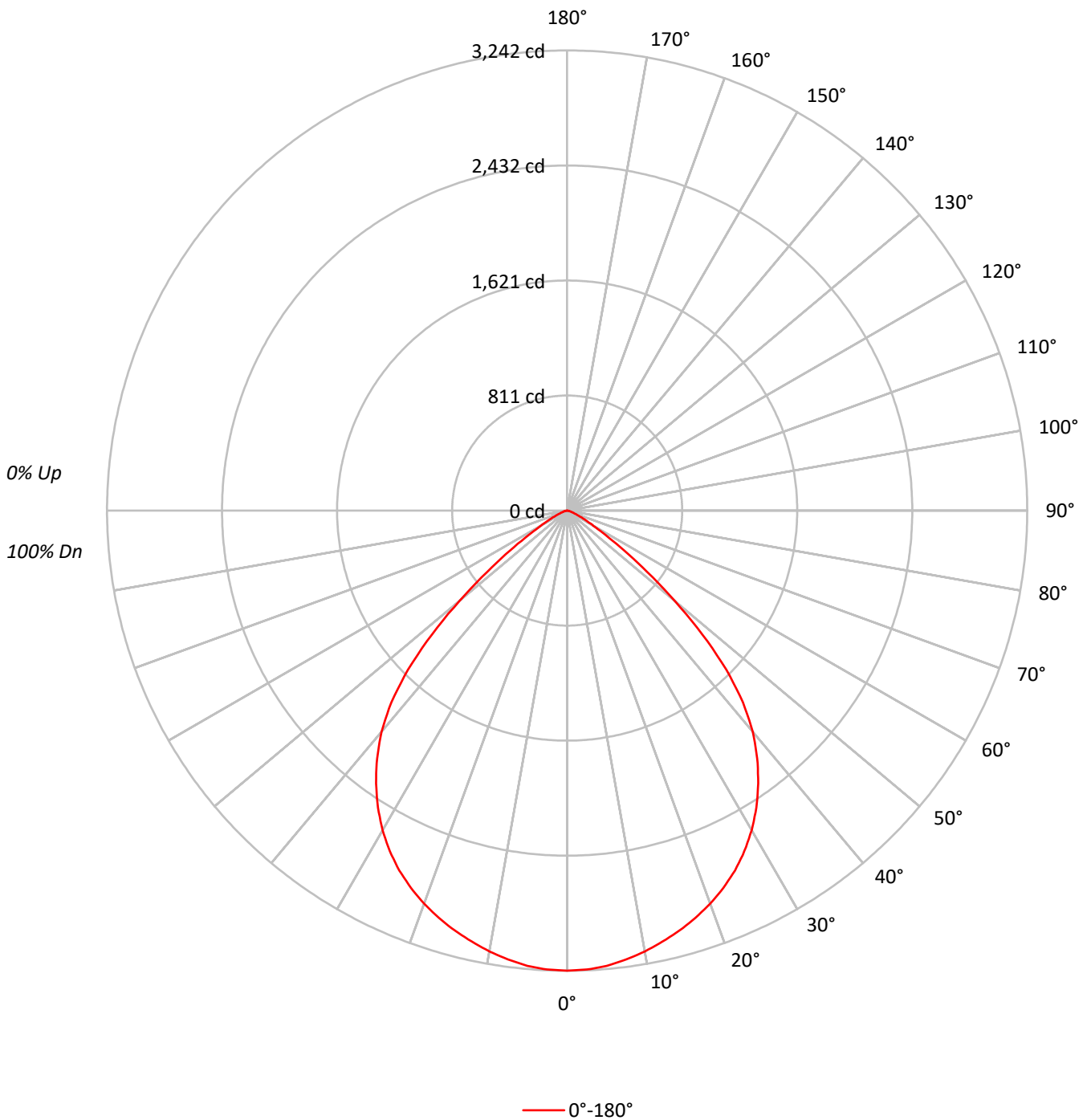
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	99956
5°	99644
10°	98752
15°	97771
20°	96720
25°	95193
30°	92577
35°	88362
40°	81889
45°	69142
50°	47435
55°	26160
60°	13149
65°	7406
70°	4030
75°	2871
80°	1829
85°	1203



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	305.1	5.3
10°-20°	863.7	15.1
20°-30°	1285.9	22.5
30°-40°	1460.8	25.6
40°-50°	1194.0	20.9
50°-60°	467.9	8.2
60°-70°	109.1	1.9
70°-80°	26.3	0.5
80°-90°	4.2	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°	2454.8	42.9
0°-40°	3915.6	68.5
0°-60°	5577.5	97.6
0°-90°	5717.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5717.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3242	
5°	3219	305
15°	3063	864
25°	2798	1286
35°	2347	1461
45°	1586	1194
55°	487	468
65°	102	109
75°	24	26
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3241.5
2.5°	3236.3
5°	3219.1
7.5°	3189.9
10°	3153.8
12.5°	3109.0
15°	3062.6
17.5°	3007.6
20°	2947.4
22.5°	2876.9
25°	2797.8
27.5°	2704.9
30°	2600.0
32.5°	2481.4
35°	2347.3
37.5°	2199.4
40°	2034.3
42.5°	1834.8
45°	1585.5
47.5°	1293.1
50°	988.8
52.5°	710.2
55°	486.6
57.5°	318.1
60°	213.2
62.5°	146.2
65°	101.5
67.5°	67.1
70°	44.7
72.5°	31.0
75°	24.1
77.5°	17.2
80°	10.3
82.5°	5.2
85°	3.4
87.5°	1.7
90°	0.0

(END OF REPORT)