

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: P251486

Luminaire Tested: **LD8B60D010 ER8B60835 8LBS0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251486
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-18)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B60D010 ER8B60835 8LBS0MW
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 3500 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6930.0 lumens
Efficiency: N/A
Efficacy: 116.5 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.27
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

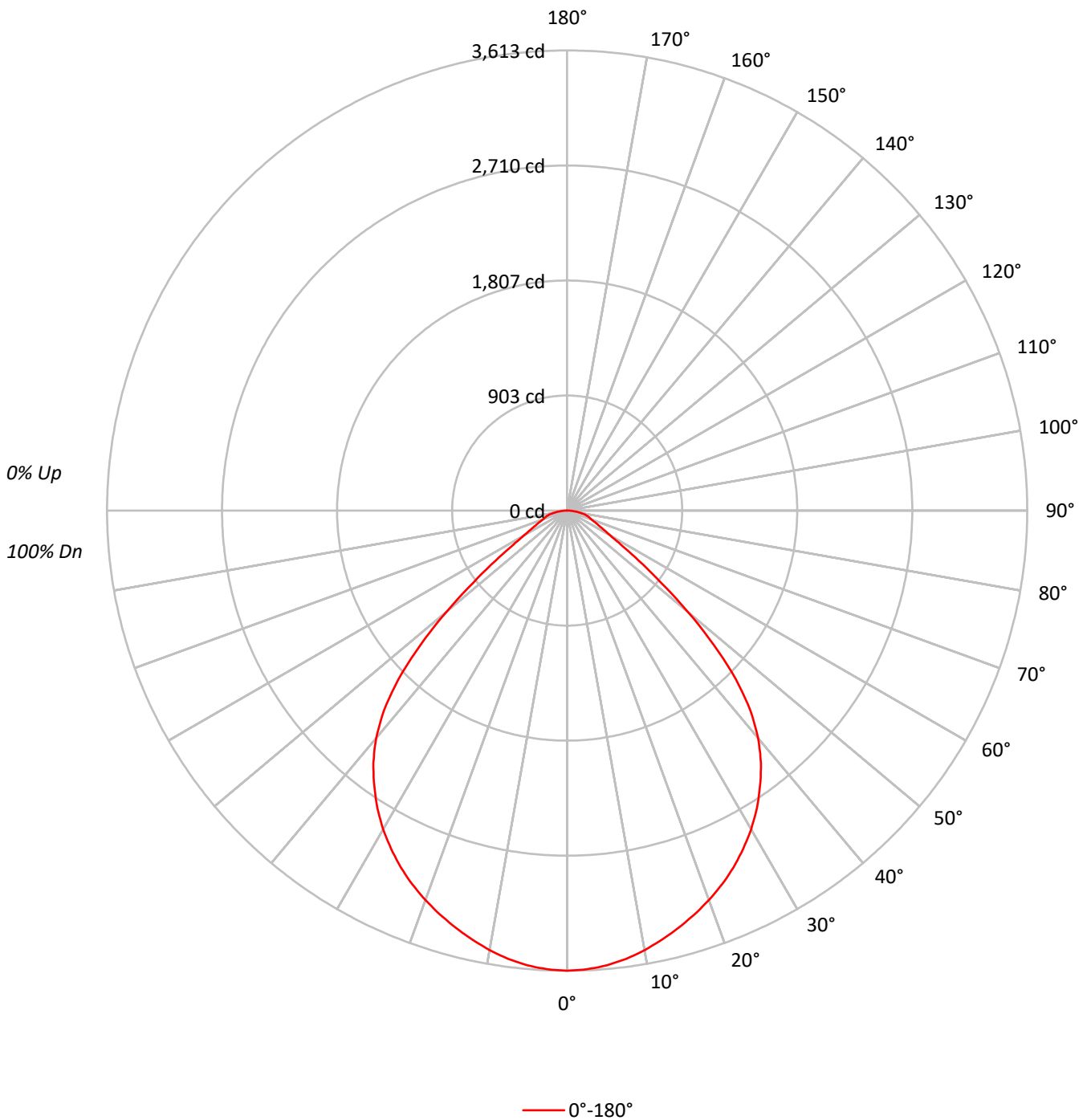
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	104	101	109	105	102	99	101	98	96		97	95	93		94	92	91	89
2	103	97	91	86	101	95	90	85	91	87	83		88	85	82		85	82	80	78
3	96	87	80	75	93	86	79	74	83	77	73		80	76	72		78	74	71	69
4	89	79	71	66	87	78	71	65	75	69	64		73	68	64		71	67	63	61
5	83	72	64	58	81	71	63	58	69	62	57		67	61	57		65	60	56	54
6	77	65	58	52	75	64	57	52	63	56	51		61	55	51		60	55	51	49
7	72	60	52	47	70	59	52	47	58	51	46		56	50	46		55	50	46	44
8	67	55	47	42	66	54	47	42	53	47	42		52	46	42		51	46	41	40
9	63	51	43	38	62	50	43	38	49	43	38		48	42	38		47	42	38	36
10	59	47	40	35	58	47	40	35	46	39	35		45	39	35		44	39	35	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	111409
5°	110961
10°	109717
15°	108194
20°	106781
25°	105158
30°	102871
35°	99422
40°	93981
45°	81854
50°	59194
55°	36853
60°	23997
65°	19715
70°	18176
75°	19694
80°	20049
85°	17832



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	339.6	4.9
10°-20°	956.1	13.8
20°-30°	1422.3	20.5
30°-40°	1646.2	23.8
40°-50°	1412.6	20.4
50°-60°	649.5	9.4
60°-70°	275.8	4.0
70°-80°	170.8	2.5
80°-90°	57.0	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°	2717.9	39.2
0°-40°	4364.2	63.0
0°-60°	6426.3	92.7
0°-90°	6930.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6930.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3613	
5°	3585	340
15°	3389	956
25°	3091	1422
35°	2641	1646
45°	1877	1413
55°	686	650
65°	270	276
75°	165	171
85°	50	57
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3612.9
2.5°	3604.8
5°	3584.7
7.5°	3550.4
10°	3504.0
12.5°	3449.6
15°	3389.1
17.5°	3324.6
20°	3254.0
22.5°	3177.4
25°	3090.7
27.5°	2994.0
30°	2889.1
32.5°	2772.2
35°	2641.1
37.5°	2500.0
40°	2334.7
42.5°	2131.0
45°	1877.0
47.5°	1564.5
50°	1233.9
52.5°	927.4
55°	685.5
57.5°	504.0
60°	389.1
62.5°	318.5
65°	270.2
67.5°	231.9
70°	201.6
72.5°	183.5
75°	165.3
77.5°	141.1
80°	112.9
82.5°	80.6
85°	50.4
87.5°	22.2
90°	0.0

(END OF REPORT)