

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: P251500

Luminaire Tested: **LD8B60D010 ER8B60950 8LBS0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251500
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 ER8B60950 8LBS0MW
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 5000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6390.0 lumens
Efficiency: N/A
Efficacy: 107.4 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

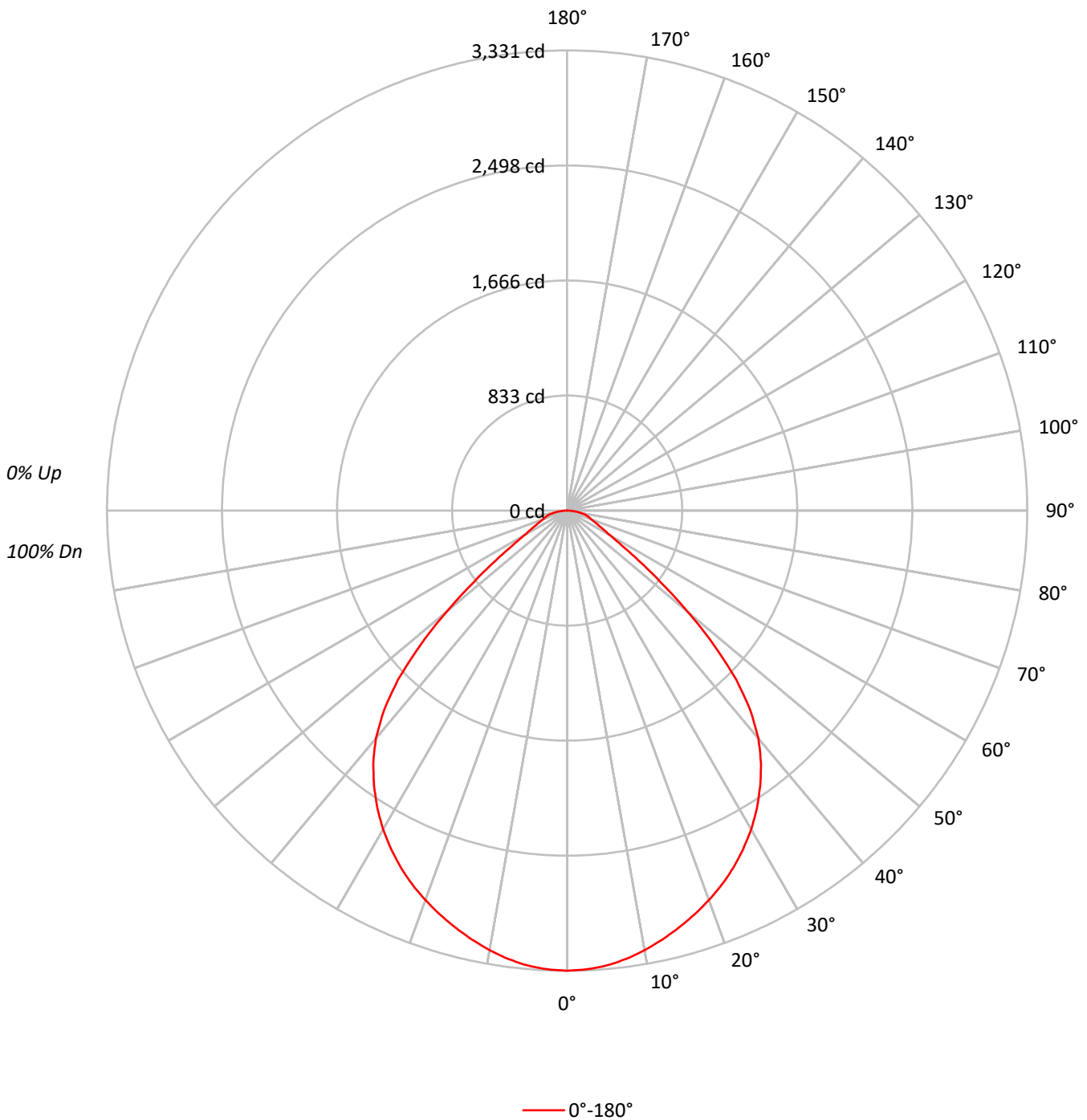
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	102728
5°	102316
10°	101169
15°	99763
20°	98462
25°	96965
30°	94856
35°	91675
40°	86659
45°	75479
50°	54579
55°	33983
60°	22128
65°	18176
70°	16761
75°	18157
80°	18486
85°	16452



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	313.1	4.9
10°-20°	881.6	13.8
20°-30°	1311.4	20.5
30°-40°	1518.0	23.8
40°-50°	1302.6	20.4
50°-60°	599.0	9.4
60°-70°	254.3	4.0
70°-80°	157.5	2.5
80°-90°	52.6	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°	2506.2	39.2
0°-40°	4024.1	63.0
0°-60°	5925.6	92.7
0°-90°	6390.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6390.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3331	
5°	3305	313
15°	3125	882
25°	2850	1311
35°	2435	1518
45°	1731	1303
55°	632	599
65°	249	254
75°	152	158
85°	46	53
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3331.4
2.5°	3323.9
5°	3305.4
7.5°	3273.8
10°	3231.0
12.5°	3180.8
15°	3125.0
17.5°	3065.5
20°	3000.5
22.5°	2929.8
25°	2849.9
27.5°	2760.7
30°	2664.0
32.5°	2556.2
35°	2435.3
37.5°	2305.2
40°	2152.8
42.5°	1965.0
45°	1730.8
47.5°	1442.6
50°	1137.7
52.5°	855.2
55°	632.1
57.5°	464.8
60°	358.8
62.5°	293.7
65°	249.1
67.5°	213.8
70°	185.9
72.5°	169.2
75°	152.4
77.5°	130.1
80°	104.1
82.5°	74.4
85°	46.5
87.5°	20.4
90°	0.0

(END OF REPORT)