

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: P251490

Luminaire Tested: **LD8B60D010 ER8B60850 8LBS0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251490
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 ER8B60850 8LBS0MW
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 5000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7019.0 lumens
Efficiency: N/A
Efficacy: 118.0 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

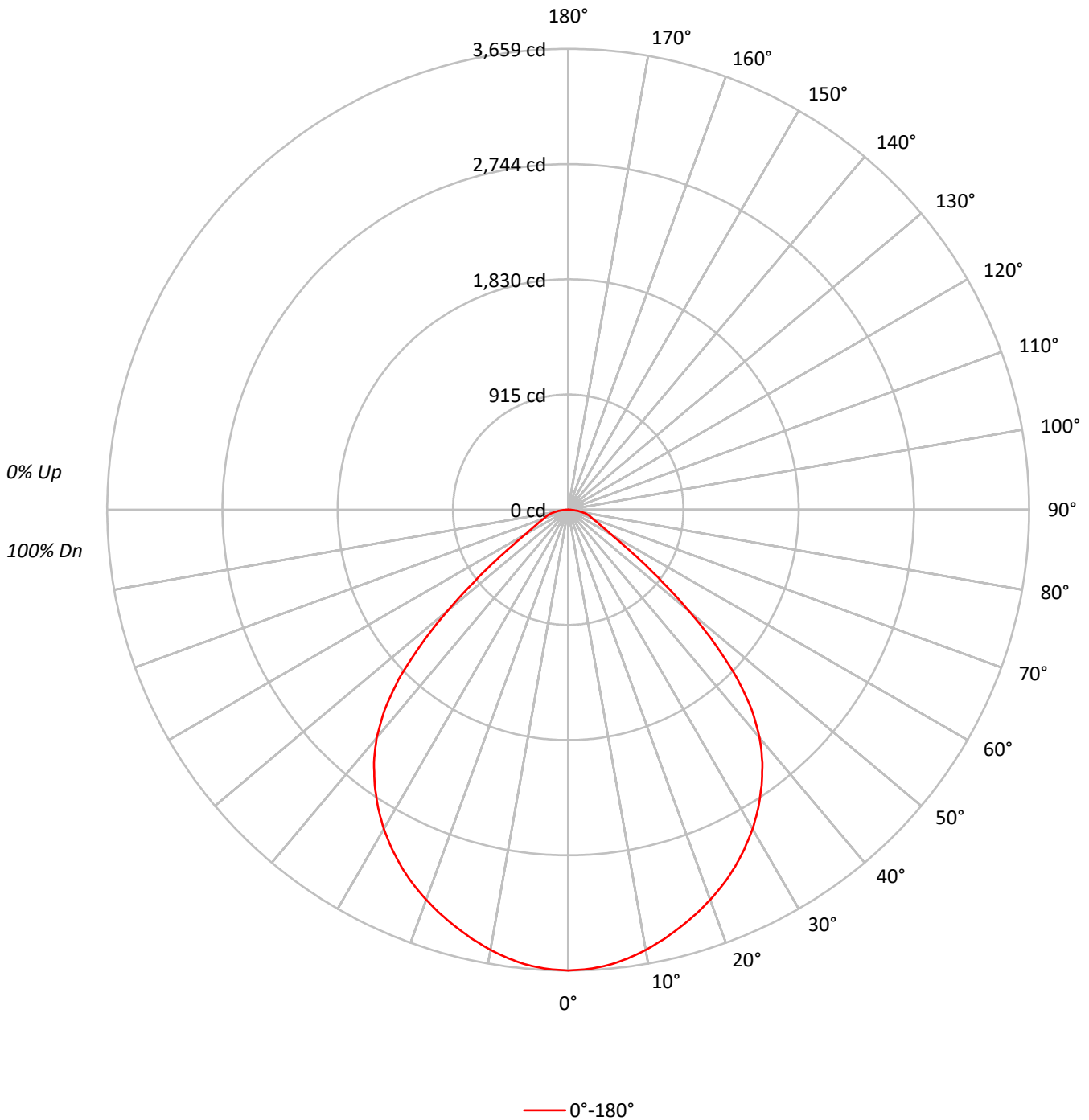
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	112839
5°	112385
10°	111126
15°	109583
20°	108153
25°	106509
30°	104192
35°	100702
40°	95189
45°	82905
50°	59952
55°	37327
60°	24305
65°	19963
70°	18411
75°	19944
80°	20315
85°	18080



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.0	4.9
10°-20°	968.4	13.8
20°-30°	1440.5	20.5
30°-40°	1667.4	23.8
40°-50°	1430.8	20.4
50°-60°	657.9	9.4
60°-70°	279.3	4.0
70°-80°	173.0	2.5
80°-90°	57.8	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°	2752.8	39.2
0°-40°	4420.2	63.0
0°-60°	6508.9	92.7
0°-90°	7019.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7019.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3659	
5°	3631	344
15°	3433	968
25°	3130	1441
35°	2675	1667
45°	1901	1431
55°	694	658
65°	274	279
75°	167	173
85°	51	58
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3659.3
2.5°	3651.1
5°	3630.7
7.5°	3596.0
10°	3549.0
12.5°	3493.9
15°	3432.6
17.5°	3367.3
20°	3295.8
22.5°	3218.2
25°	3130.4
27.5°	3032.4
30°	2926.2
32.5°	2807.8
35°	2675.1
37.5°	2532.1
40°	2364.7
42.5°	2158.4
45°	1901.1
47.5°	1584.6
50°	1249.7
52.5°	939.3
55°	694.3
57.5°	510.5
60°	394.1
62.5°	322.6
65°	273.6
67.5°	234.8
70°	204.2
72.5°	185.8
75°	167.4
77.5°	142.9
80°	114.4
82.5°	81.7
85°	51.1
87.5°	22.5
90°	0.0

(END OF REPORT)