

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: P251494

Luminaire Tested: **LD8B60D010 ER8B609730 8LBS0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251494
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 ER8B609730 8LBS0MW
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 3000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5725.0 lumens
Efficiency: N/A
Efficacy: 96.2 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

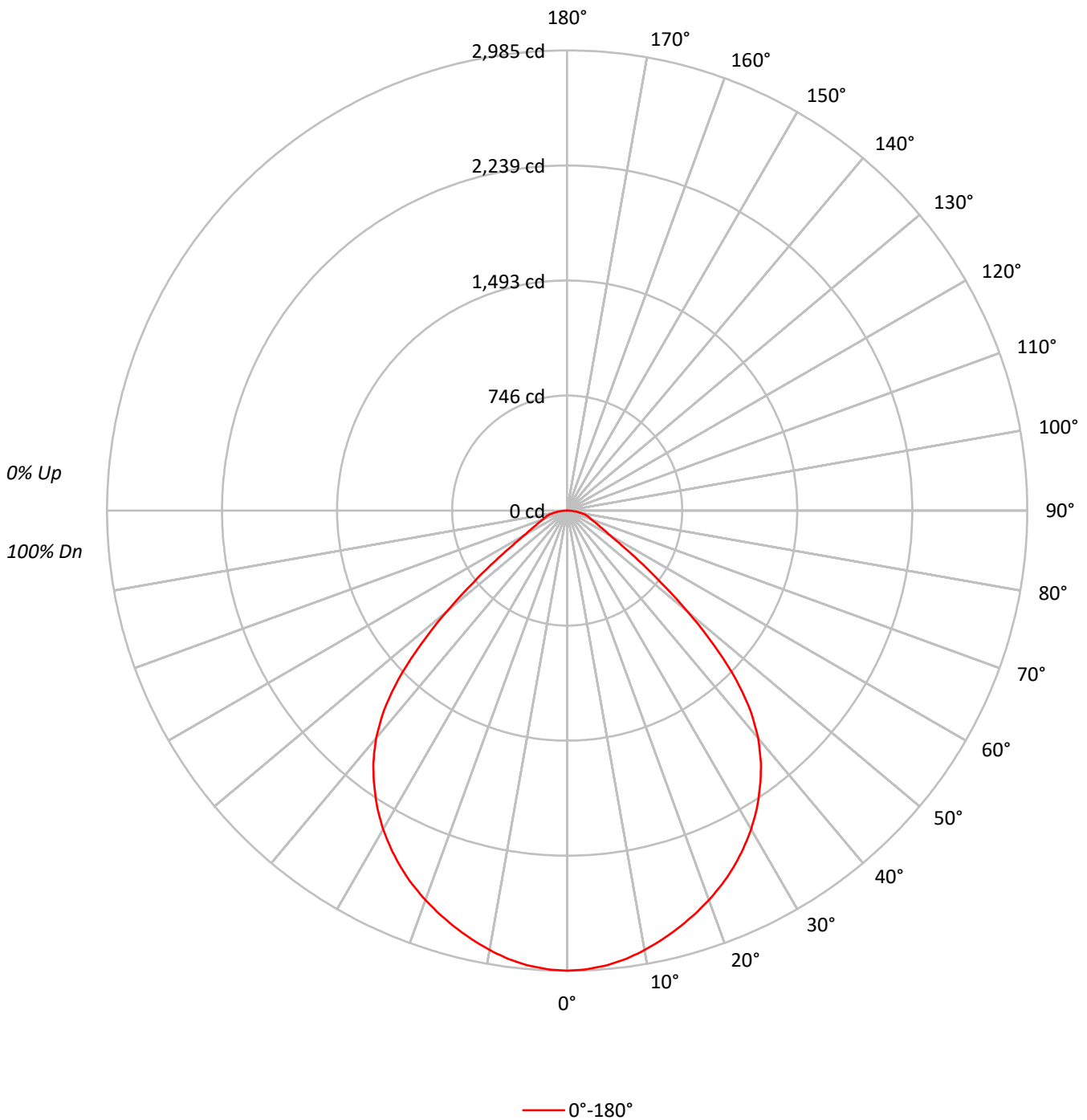
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	92037
5°	91667
10°	90639
15°	89381
20°	88214
25°	86874
30°	84986
35°	82136
40°	77638
45°	67620
50°	48899
55°	30445
60°	19828
65°	16286
70°	15021
75°	16275
80°	16568
85°	14718



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	280.5	4.9
10°-20°	789.8	13.8
20°-30°	1175.0	20.5
30°-40°	1360.0	23.8
40°-50°	1167.0	20.4
50°-60°	536.6	9.4
60°-70°	227.8	4.0
70°-80°	141.2	2.5
80°-90°	47.1	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°	2245.3	39.2
0°-40°	3605.3	63.0
0°-60°	5308.9	92.7
0°-90°	5725.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5725.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2985	
5°	2961	281
15°	2800	790
25°	2553	1175
35°	2182	1360
45°	1551	1167
55°	566	537
65°	223	228
75°	137	141
85°	42	47
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2984.7
2.5°	2978.0
5°	2961.4
7.5°	2933.1
10°	2894.7
12.5°	2849.8
15°	2799.8
17.5°	2746.5
20°	2688.2
22.5°	2624.9
25°	2553.3
27.5°	2473.4
30°	2386.8
32.5°	2290.1
35°	2181.9
37.5°	2065.3
40°	1928.7
42.5°	1760.5
45°	1550.6
47.5°	1292.5
50°	1019.3
52.5°	766.2
55°	566.3
57.5°	416.4
60°	321.5
62.5°	263.2
65°	223.2
67.5°	191.5
70°	166.6
72.5°	151.6
75°	136.6
77.5°	116.6
80°	93.3
82.5°	66.6
85°	41.6
87.5°	18.3
90°	0.0

(END OF REPORT)