

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: P251292

Luminaire Tested: **LD8B60D010 ER8B60850 8LBS0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251292
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-16)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B60D010 ER8B60850 8LBS0GPH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 5000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6257.9 lumens
Efficiency: N/A
Efficacy: 105.2 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

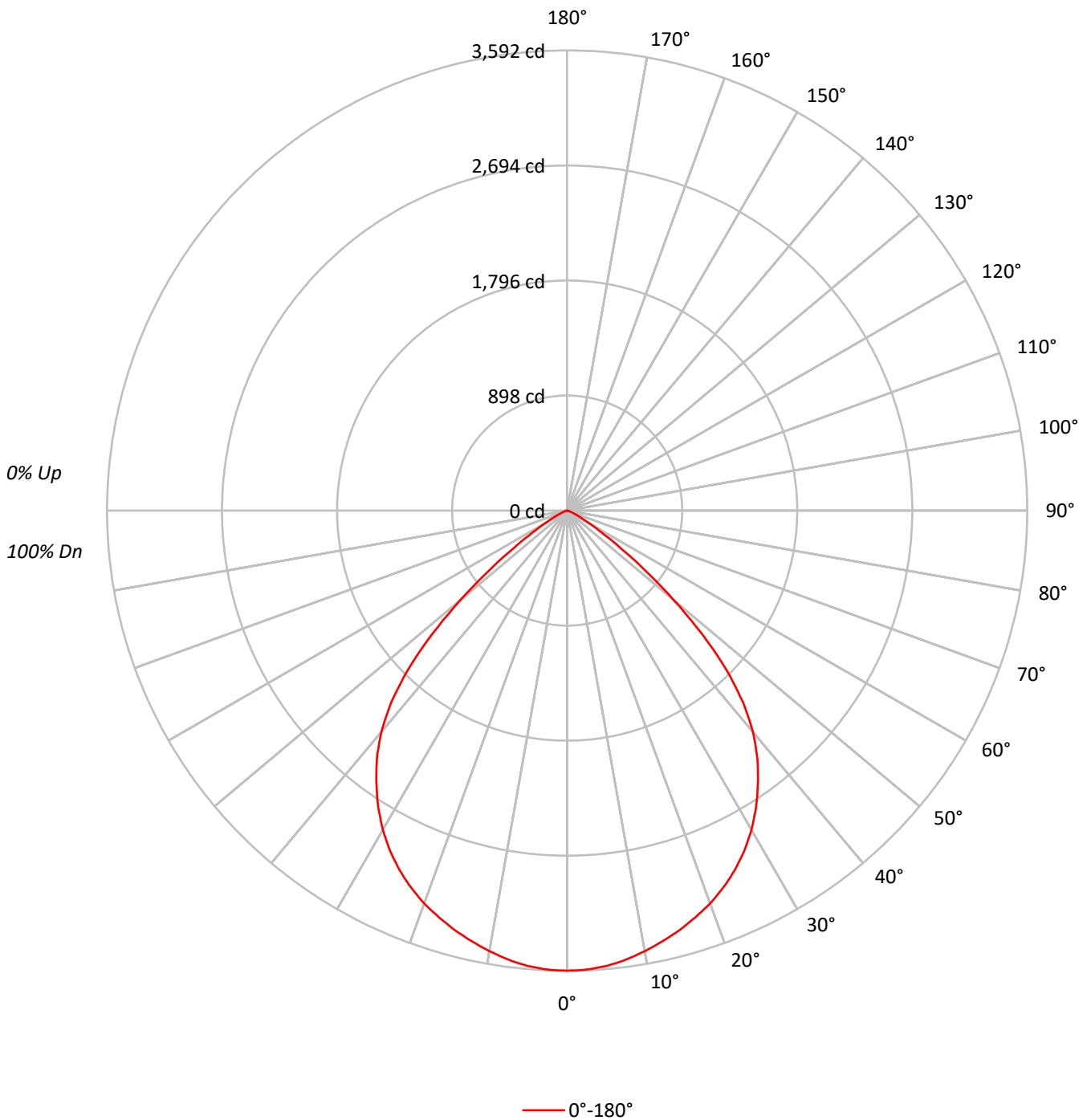
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	103	100	98	99	97	95	95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	73
4	91	82	75	70	89	81	74	69	78	73	69	76	72	68	74	70	67	65
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58
6	79	69	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53
7	74	63	56	50	73	62	55	50	61	55	50	59	54	50	58	53	49	48
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	40
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	110767
5°	110432
10°	109342
15°	108220
20°	107086
25°	105332
30°	102451
35°	97785
40°	90918
45°	76765
50°	52118
55°	27225
60°	12217
65°	5961
70°	2389
75°	1465
80°	1083
85°	708



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	338.1	5.4
10°-20°	956.2	15.3
20°-30°	1423.4	22.7
30°-40°	1618.0	25.9
40°-50°	1323.1	21.1
50°-60°	493.2	7.9
60°-70°	90.2	1.4
70°-80°	14.0	0.2
80°-90°	1.9	0.0
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°	2717.6	43.4
0°-40°	4335.6	69.3
0°-60°	6151.9	98.3
0°-90°	6257.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6257.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3592	
5°	3568	338
15°	3390	956
25°	3096	1423
35°	2598	1618
45°	1760	1323
55°	506	493
65°	82	90
75°	12	14
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3592.1
2.5°	3586.0
5°	3567.6
7.5°	3534.9
10°	3492.0
12.5°	3443.0
15°	3389.9
17.5°	3328.6
20°	3263.3
22.5°	3185.7
25°	3095.8
27.5°	2993.7
30°	2877.3
32.5°	2744.6
35°	2597.6
37.5°	2440.3
40°	2258.6
42.5°	2033.9
45°	1760.3
47.5°	1431.5
50°	1086.4
52.5°	765.8
55°	506.4
57.5°	318.6
60°	198.1
62.5°	126.6
65°	81.7
67.5°	47.0
70°	26.5
72.5°	16.3
75°	12.3
77.5°	8.2
80°	6.1
82.5°	2.0
85°	2.0
87.5°	0.0
90°	0.0

(END OF REPORT)