

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: P251002

Luminaire Tested: **LD8B60D010 ER8B60950 8LBS0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251002
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-13)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B60D010 ER8B60950 8LBS0H
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6305.1 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.23
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

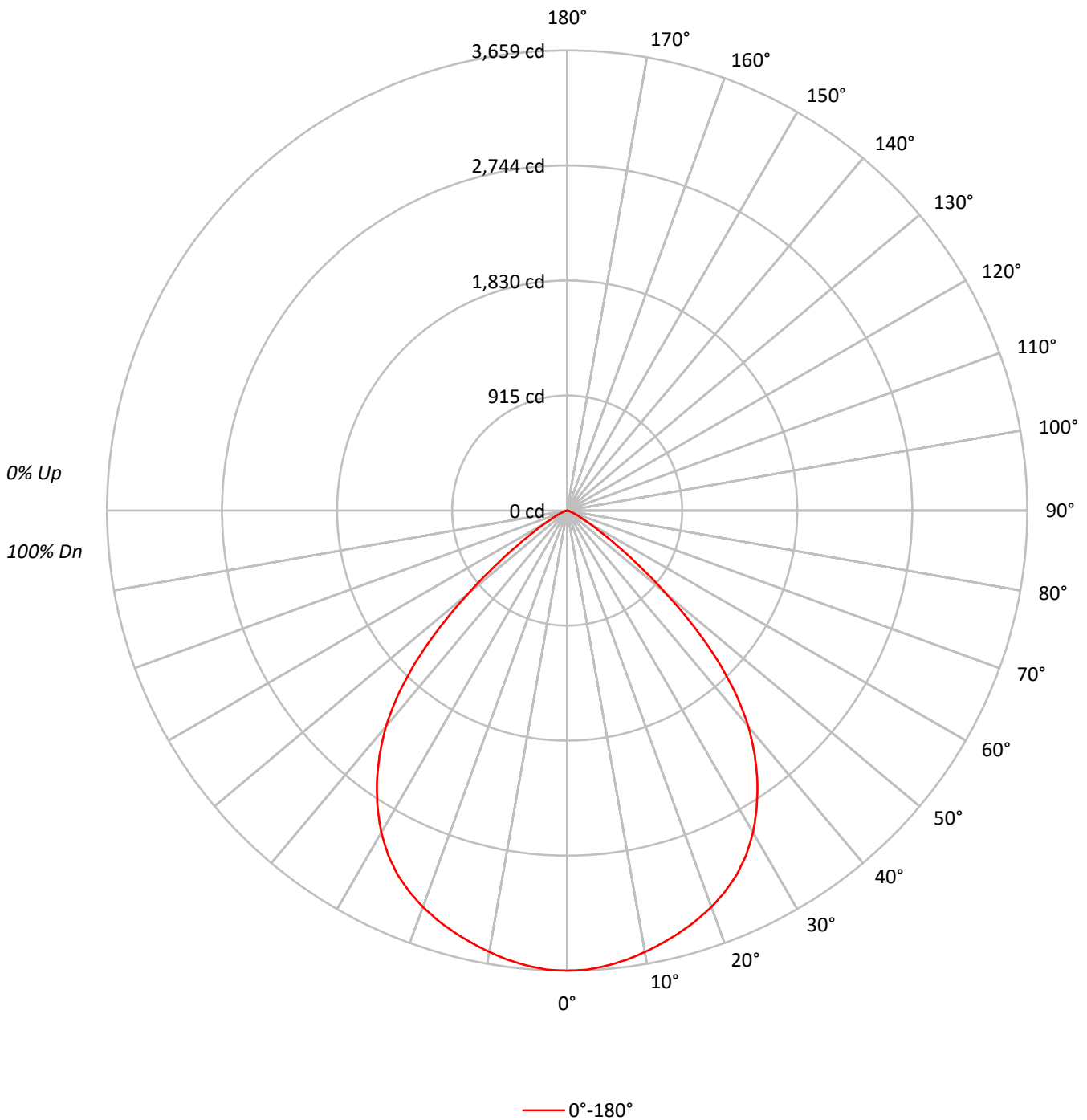
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	89	83	78	86	81	77		83	79	76		81	78	75	73
4	91	82	75	70	89	81	75	70	79	73	69		76	72	68		74	70	67	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	59
6	80	69	61	56	78	68	61	56	66	60	56		65	59	55		63	58	55	53
7	75	63	56	51	73	63	56	51	61	55	50		60	54	50		59	54	50	48
8	70	58	51	46	68	58	51	46	57	50	46		55	50	46		54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42		51	46	42		51	45	42	40
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	112830
5°	112453
10°	111599
15°	110815
20°	110063
25°	108615
30°	105261
35°	99313
40°	90257
45°	74271
50°	49503
55°	25789
60°	12156
65°	6377
70°	3183
75°	2216
80°	1651
85°	1309



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.6	5.5
10°-20°	979.7	15.5
20°-30°	1465.6	23.2
30°-40°	1639.3	26.0
40°-50°	1286.1	20.4
50°-60°	469.3	7.4
60°-70°	95.7	1.5
70°-80°	20.6	0.3
80°-90°	4.3	0.1
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°	2789.9	44.2
0°-40°	4429.2	70.2
0°-60°	6184.5	98.1
0°-90°	6305.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6305.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3659	
5°	3633	345
15°	3471	980
25°	3192	1466
35°	2638	1639
45°	1703	1286
55°	480	469
65°	87	96
75°	19	21
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3659.0
2.5°	3653.4
5°	3632.9
7.5°	3603.2
10°	3564.1
12.5°	3519.5
15°	3471.2
17.5°	3417.3
20°	3354.0
22.5°	3279.7
25°	3192.3
27.5°	3084.5
30°	2956.2
32.5°	2805.6
35°	2638.2
37.5°	2450.5
40°	2242.2
42.5°	1995.0
45°	1703.1
47.5°	1374.0
50°	1031.9
52.5°	723.2
55°	479.7
57.5°	306.8
60°	197.1
62.5°	130.1
65°	87.4
67.5°	55.8
70°	35.3
72.5°	24.2
75°	18.6
77.5°	13.0
80°	9.3
82.5°	5.6
85°	3.7
87.5°	1.9
90°	0.0

(END OF REPORT)