

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: P247369

Luminaire Tested: **LD8B120D010 ER8B120940 8LBS0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247369
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-84)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B120D010 ER8B120940 8LBS0WMH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 4000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11764.0 lumens
Efficiency: N/A
Efficacy: 99.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.2 / 1.23
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

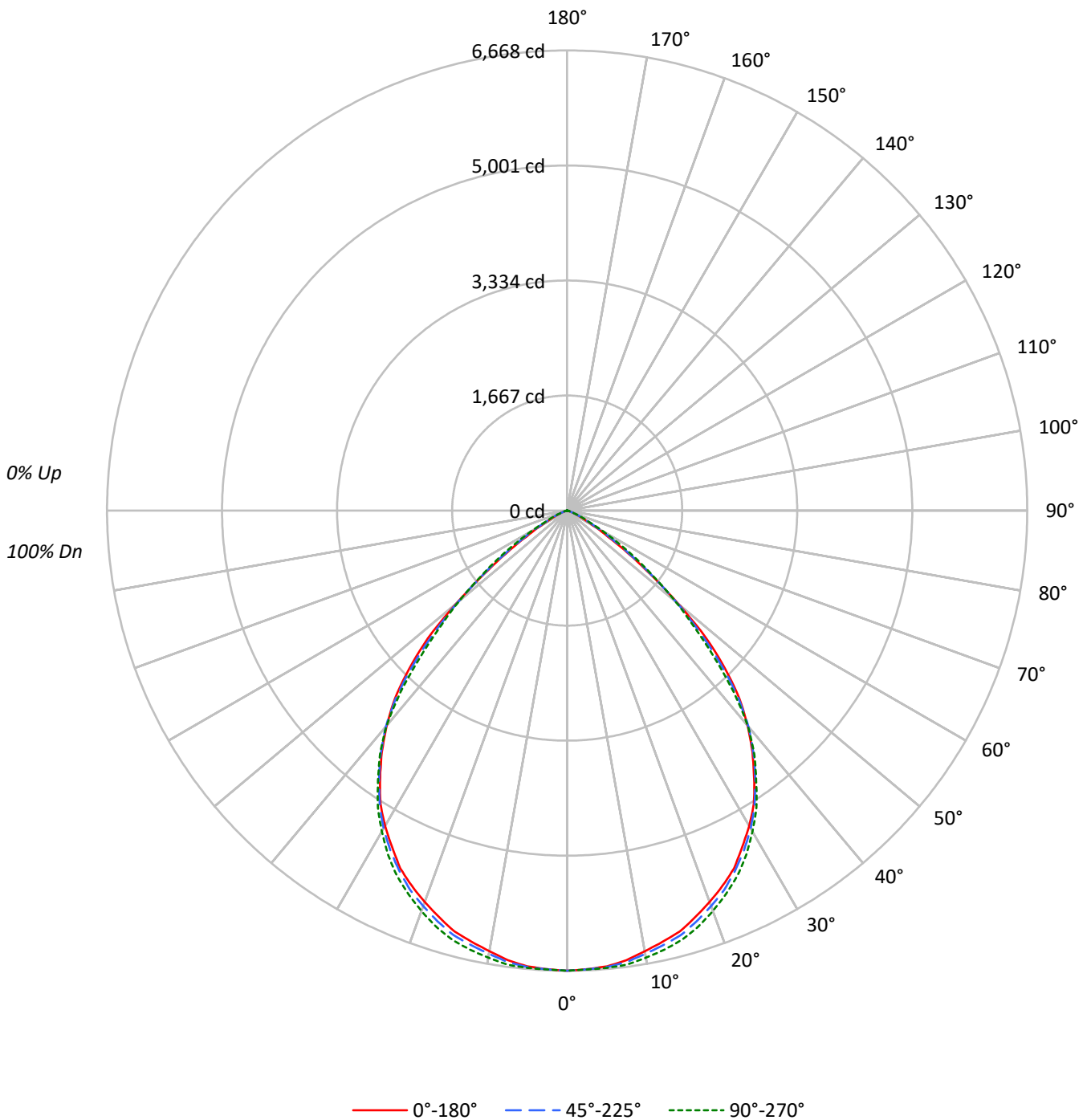
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	112	109	106	103	110	107	104	101	102	100	98	99	97	95	95	94	92	91					91			
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	81					81			
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72					72			
4	91	81	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64					64			
5	85	74	67	62	83	73	66	61	71	65	61	70	64	60	68	63	60	58					58			
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52					52			
7	74	62	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47					47			
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	54	48	44	43					43			
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39					39			
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36					36			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	205617	205617	205617
5°	205185	205507	205876
10°	202996	204189	205995
15°	201562	203321	205499
20°	198060	200128	202582
25°	194642	195890	198616
30°	187904	189399	191172
35°	177812	178900	179838
40°	163733	164522	164099
45°	141158	137439	131948
50°	100772	99265	98066
55°	57842	61299	66379
60°	27432	32125	37139
65°	12922	15607	17906
70°	6032	6744	7691
75°	2812	4063	4694
80°	2326	2095	3267
85°	920	2335	1380



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	630.0	5.4
10°-20°	1792.8	15.2
20°-30°	2648.6	22.5
30°-40°	2959.6	25.2
40°-50°	2389.4	20.3
50°-60°	1062.8	9.0
60°-70°	239.4	2.0
70°-80°	37.0	0.3
80°-90°	4.4	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°	5071.5	43.1
0°-40°	8031.1	68.3
0°-60°	11483.3	97.6
0°-90°	11764.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11764.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6668	6668	6668	6668	6668	
5°	6629	6627	6639	6640	6651	628
15°	6314	6318	6369	6416	6437	1776
25°	5721	5721	5757	5805	5838	2623
35°	4724	4721	4752	4758	4777	2944
45°	3237	3212	3152	3040	3026	2447
55°	1076	1092	1140	1199	1235	1012
65°	177	199	214	232	245	206
75°	24	33	34	33	39	30
85°	3	4	7	14	4	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6668.0	6668.0	6668.0	6668.0	6668.0
2.5°	6651.0	6647.0	6653.6	6649.6	6656.2
5°	6628.7	6627.3	6639.1	6640.5	6651.0
7.5°	6570.9	6572.2	6597.2	6615.5	6636.5
10°	6483.0	6488.3	6521.1	6561.7	6578.8
12.5°	6399.0	6405.6	6447.6	6504.0	6517.1
15°	6313.8	6317.7	6368.9	6416.1	6437.1
17.5°	6174.7	6200.9	6240.3	6294.1	6321.6
20°	6035.6	6054.0	6098.6	6157.6	6173.4
22.5°	5883.4	5903.1	5947.7	5996.2	6013.3
25°	5720.7	5720.7	5757.4	5804.7	5837.5
27.5°	5493.7	5521.3	5547.5	5589.5	5622.3
30°	5277.2	5287.7	5319.2	5353.3	5369.0
32.5°	5037.1	5038.4	5052.8	5090.9	5105.3
35°	4723.5	4720.9	4752.4	4757.6	4777.3
37.5°	4409.9	4423.0	4434.8	4453.2	4454.5
40°	4067.5	4074.0	4087.1	4067.5	4076.6
42.5°	3694.8	3685.6	3660.7	3601.7	3576.7
45°	3236.9	3212.0	3151.6	3040.1	3025.7
47.5°	2731.8	2670.1	2596.6	2514.0	2498.2
50°	2100.6	2105.9	2069.2	2041.6	2044.2
52.5°	1531.2	1549.6	1558.8	1585.0	1599.4
55°	1075.9	1091.7	1140.2	1199.2	1234.7
57.5°	696.7	726.9	789.9	856.8	881.7
60°	444.8	464.5	520.9	569.4	602.2
62.5°	291.3	297.8	329.3	373.9	375.3
65°	177.1	199.4	213.9	232.2	245.4
67.5°	115.5	115.5	128.6	145.6	149.6
70°	66.9	68.2	74.8	81.3	85.3
72.5°	36.7	40.7	44.6	51.2	57.7
75°	23.6	32.8	34.1	32.8	39.4
77.5°	15.7	15.7	13.1	22.3	23.6
80°	13.1	9.2	11.8	17.1	18.4
82.5°	0.0	1.3	1.3	2.6	0.0
85°	2.6	3.9	6.6	14.4	3.9
87.5°	0.0	3.9	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)