

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: P247364

Luminaire Tested: **LD8B100D010 ER8B100935 8LBS0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247364
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: LD8B100D010 ER8B100935 8LBS0WMH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 3500 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9936.0 lumens
Efficiency: N/A
Efficacy: 93.5 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

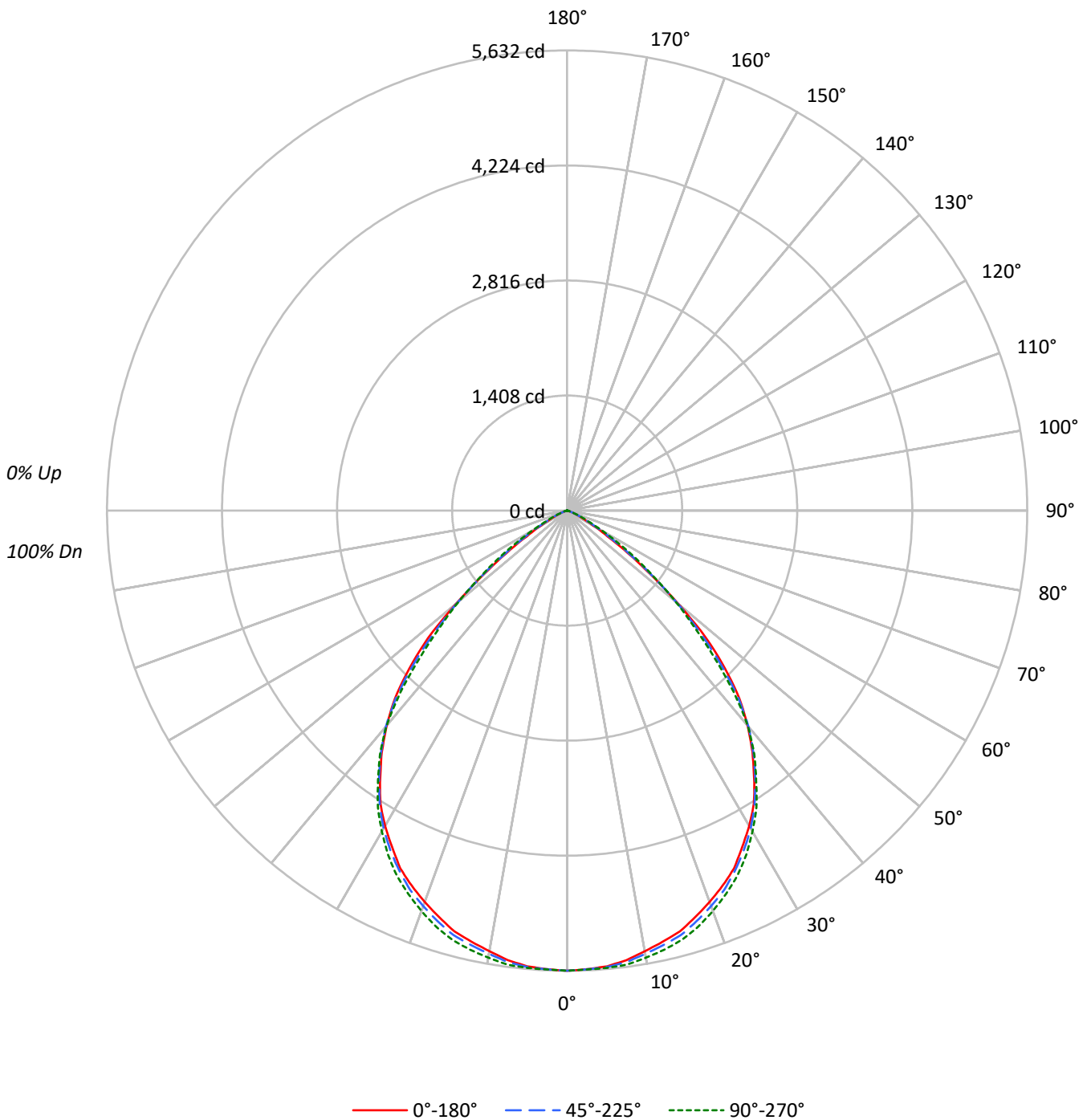
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	173667	173667	173667
5°	173300	173575	173885
10°	171452	172460	173985
15°	170242	171726	173565
20°	167283	169028	171102
25°	164398	165452	167752
30°	158706	159967	161469
35°	150181	151100	151894
40°	138288	138957	138602
45°	119223	116083	111443
50°	85113	83837	82830
55°	48853	51772	56062
60°	23170	27136	31373
65°	10916	13177	15118
70°	5094	5698	6491
75°	2371	3431	3956
80°	1971	1776	2752
85°	778	1946	1168



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	532.1	5.4
10°-20°	1514.2	15.2
20°-30°	2237.0	22.5
30°-40°	2499.7	25.2
40°-50°	2018.1	20.3
50°-60°	897.6	9.0
60°-70°	202.2	2.0
70°-80°	31.2	0.3
80°-90°	3.7	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°	4283.4	43.1
0°-40°	6783.1	68.3
0°-60°	9698.9	97.6
0°-90°	9936.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9936.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5632	5632	5632	5632	5632	
5°	5599	5598	5608	5609	5618	530
15°	5333	5336	5379	5419	5437	1500
25°	4832	4832	4863	4903	4930	2215
35°	3990	3987	4014	4018	4035	2487
45°	2734	2713	2662	2568	2556	2067
55°	909	922	963	1013	1043	855
65°	150	168	181	196	207	174
75°	20	28	29	28	33	26
85°	2	3	6	12	3	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5631.9	5631.9	5631.9	5631.9	5631.9
2.5°	5617.5	5614.1	5619.7	5616.4	5621.9
5°	5598.6	5597.5	5607.5	5608.6	5617.5
7.5°	5549.9	5551.0	5572.0	5587.5	5605.3
10°	5475.6	5480.1	5507.8	5542.1	5556.5
12.5°	5404.7	5410.2	5445.7	5493.4	5504.4
15°	5332.7	5336.0	5379.2	5419.1	5436.8
17.5°	5215.2	5237.4	5270.6	5316.0	5339.3
20°	5097.7	5113.2	5150.9	5200.8	5214.1
22.5°	4969.2	4985.8	5023.5	5064.5	5078.9
25°	4831.8	4831.8	4862.8	4902.7	4930.4
27.5°	4640.0	4663.3	4685.5	4720.9	4748.6
30°	4457.2	4466.0	4492.6	4521.5	4534.8
32.5°	4254.4	4255.5	4267.7	4299.8	4312.0
35°	3989.5	3987.3	4013.9	4018.3	4035.0
37.5°	3724.7	3735.7	3745.7	3761.2	3762.3
40°	3435.4	3441.0	3452.0	3435.4	3443.2
42.5°	3120.7	3112.9	3091.9	3042.0	3021.0
45°	2733.9	2712.9	2661.9	2567.7	2555.5
47.5°	2307.3	2255.2	2193.1	2123.3	2110.0
50°	1774.2	1778.7	1747.6	1724.4	1726.6
52.5°	1293.3	1308.8	1316.5	1338.7	1350.9
55°	908.7	922.0	963.0	1012.9	1042.8
57.5°	588.5	613.9	667.1	723.7	744.7
60°	375.7	392.3	440.0	481.0	508.7
62.5°	246.0	251.6	278.2	315.8	316.9
65°	149.6	168.4	180.6	196.2	207.2
67.5°	97.5	97.5	108.6	123.0	126.3
70°	56.5	57.6	63.2	68.7	72.0
72.5°	31.0	34.4	37.7	43.2	48.8
75°	19.9	27.7	28.8	27.7	33.2
77.5°	13.3	13.3	11.1	18.8	19.9
80°	11.1	7.8	10.0	14.4	15.5
82.5°	0.0	1.1	1.1	2.2	0.0
85°	2.2	3.3	5.5	12.2	3.3
87.5°	0.0	3.3	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)