

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: P248095

Luminaire Tested: **LD8B200D010 ER8B200830 8LBW0WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248095
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-72)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B200D010 ER8B200830 8LBW0WH
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 3000 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21358.0 lumens
Efficiency: N/A
Efficacy: 95.6 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.07
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

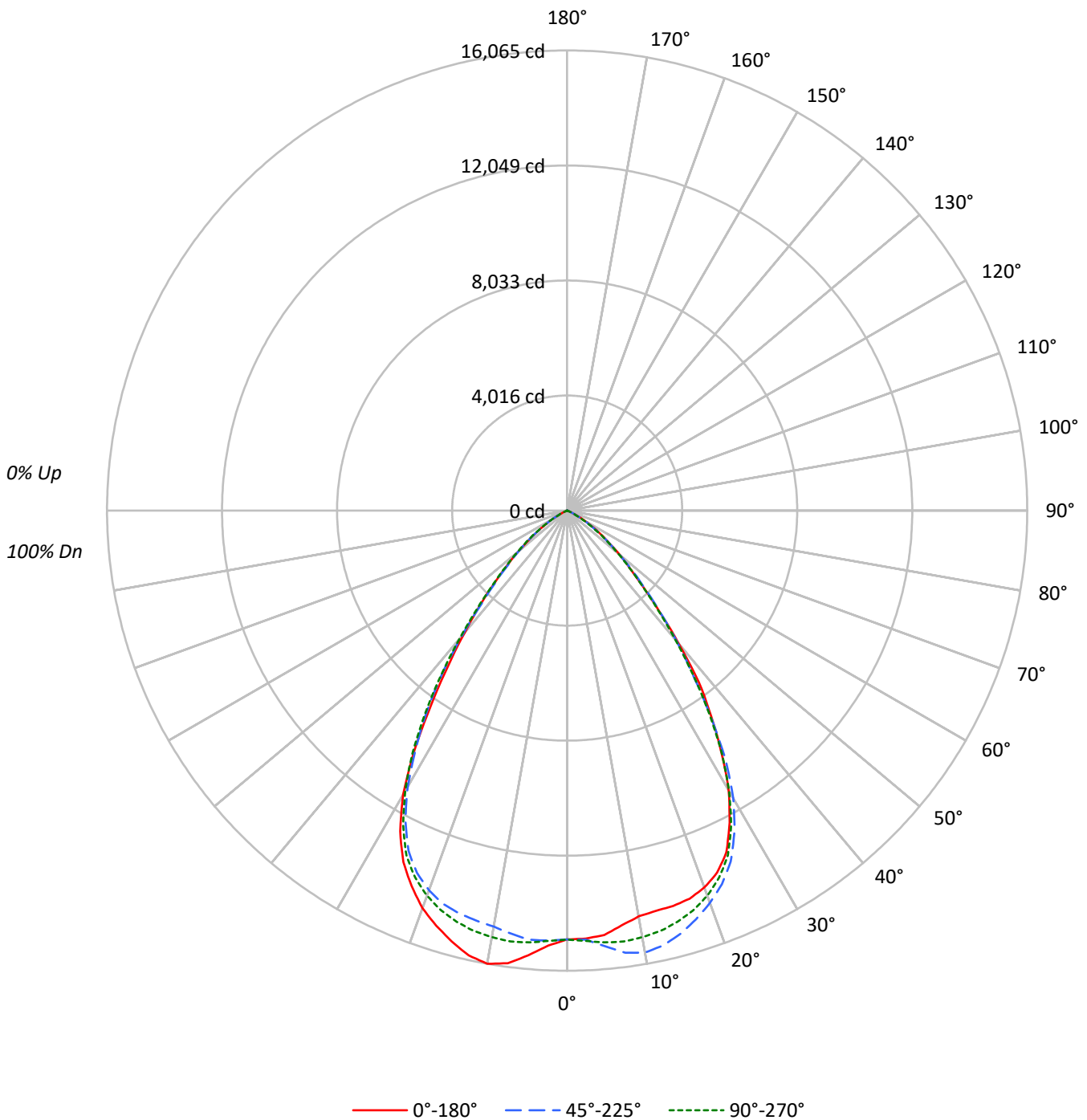
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	107	104	110	107	105	103	103	101	100	100	98	97	96	95	94	92					92			
2	106	101	96	92	104	99	95	91	96	92	89	93	90	87	90	87	85	84					84			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76					76			
4	94	85	79	74	92	84	78	73	82	76	72	79	75	72	78	74	71	69					69			
5	88	78	72	67	86	77	71	66	76	70	66	74	69	65	72	68	65	63					63			
6	83	72	66	61	81	72	65	61	70	64	60	69	64	60	67	63	59	58					58			
7	78	67	60	56	76	67	60	55	65	59	55	64	59	55	63	58	54	53					53			
8	73	63	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	49					49			
9	69	58	52	47	68	58	51	47	57	51	47	56	51	47	55	50	47	45					45			
10	65	55	48	44	64	54	48	44	53	47	43	52	47	43	52	47	43	42					42			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	461709	461709	461709
5°	460343	468385	482370
10°	450439	473522	503015
15°	456100	474606	497119
20°	459510	469505	484705
25°	447740	451922	460588
30°	401629	402676	407508
35°	329948	325084	311016
40°	243766	235884	223832
45°	161677	160447	158048
50°	114377	109402	106821
55°	76438	69557	65772
60°	43017	37330	34019
65°	16621	11952	9901
70°	4842	2768	2308
75°	1370	763	917
80°	0	0	0
85°	920	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1448.4	6.8
10°-20°	4200.3	19.7
20°-30°	6031.9	28.2
30°-40°	5331.9	25.0
40°-50°	2918.6	13.7
50°-60°	1201.5	5.6
60°-70°	215.3	1.0
70°-80°	9.3	0.0
80°-90°	0.7	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°	11680.6	54.7
0°-40°	17012.5	79.7
0°-60°	21132.6	98.9
0°-90°	21358.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	21358.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	14973	14973	14973	14973	14973	
5°	14872	15271	15132	15040	15583	###
15°	14287	15297	14867	14560	15572	4035
25°	13160	13515	13282	13107	13537	5953
35°	8765	8687	8636	8518	8262	5437
45°	3707	3816	3679	3522	3624	2984
55°	1422	1355	1294	1252	1223	1288
65°	228	178	164	132	136	265
75°	12	5	6	8	8	17
85°	3	3	0	8	0	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	14972.9	14972.9	14972.9	14972.9	14972.9	14972.9	14972.9	14972.9	14972.9
2.5°	14953.7	14980.6	14993.4	15061.2	15038.2	15006.2	15024.1	15079.2	15198.2
5°	14871.8	15015.2	15271.1	15358.1	15131.6	14934.5	15039.5	15340.2	15583.4
7.5°	14601.8	14962.7	15568.0	15699.8	15175.1	14722.1	14905.1	15553.9	15937.9
10°	14385.5	14833.4	15665.3	15861.1	15122.7	14536.5	14750.3	15543.7	16064.6
12.5°	14312.6	14725.9	15542.4	15763.8	15034.4	14471.3	14659.4	15394.0	15903.3
15°	14287.0	14618.5	15296.7	15474.6	14866.7	14407.3	14559.6	15149.5	15571.9
17.5°	14207.7	14454.6	14960.1	15104.8	14636.4	14280.6	14398.3	14856.5	15195.6
20°	14002.9	14212.8	14576.2	14677.3	14307.5	14028.5	14104.0	14448.2	14770.7
22.5°	13683.0	13818.6	14113.0	14161.6	13868.5	13645.9	13693.2	13950.4	14185.9
25°	13159.5	13254.3	13515.3	13528.1	13282.4	13087.9	13107.1	13322.1	13537.1
27.5°	12279.1	12458.3	12650.2	12705.2	12396.8	12169.0	12227.9	12371.2	12623.3
30°	11279.6	11411.4	11599.5	11557.3	11309.0	11104.3	11128.6	11256.6	11444.7
32.5°	10033.1	10172.6	10268.6	10181.6	10056.2	9873.2	9818.2	9873.2	9924.4
35°	8764.9	8812.3	8686.9	8637.0	8635.7	8579.4	8517.9	8351.6	8262.0
37.5°	7554.3	7405.8	7180.6	7084.6	7194.7	7331.6	7147.3	6929.8	6817.2
40°	6055.7	6059.6	5918.8	5819.0	5859.9	5813.9	5733.2	5593.7	5560.5
42.5°	4733.8	4747.8	4792.6	4736.3	4637.8	4488.0	4443.3	4449.7	4548.2
45°	3707.4	3735.6	3816.2	3808.5	3679.2	3584.5	3521.8	3610.1	3624.2
47.5°	2948.5	2988.2	3021.5	3018.9	2919.1	2824.4	2796.2	2812.9	2847.4
50°	2384.2	2380.3	2354.7	2321.4	2280.5	2261.3	2229.3	2226.7	2226.7
52.5°	1836.4	1842.8	1791.6	1794.2	1775.0	1721.2	1707.2	1679.0	1679.0
55°	1421.8	1396.2	1355.2	1315.6	1293.8	1256.7	1251.6	1222.2	1223.4
57.5°	1009.7	986.7	938.0	913.7	897.1	886.9	865.1	842.1	831.8
60°	697.5	678.3	651.4	627.1	605.3	600.2	579.7	556.7	551.6
62.5°	421.0	415.9	368.6	359.6	343.0	335.3	321.2	305.9	307.1
65°	227.8	194.5	177.9	167.6	163.8	143.3	131.8	129.3	135.7
67.5°	61.4	61.4	49.9	47.4	47.4	34.6	39.7	38.4	49.9
70°	53.7	38.4	33.3	26.9	30.7	17.9	33.3	26.9	25.6
72.5°	28.2	15.4	12.8	12.8	14.1	9.0	20.5	11.5	9.0
75°	11.5	7.7	5.1	2.6	6.4	6.4	7.7	2.6	7.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.6	3.8	2.6	0.0	0.0	0.0	7.7	0.0	0.0
87.5°	0.0	2.6	1.3	0.0	0.0	0.0	2.6	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)