

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: P247438

Luminaire Tested: **LSR8B80D010 EC8B80835 8LBS0WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247438
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-85)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B80D010 EC8B80835 8LBS0WH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3500 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9332.0 lumens
Efficiency: N/A
Efficacy: 125.4 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.29 / 1.24
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

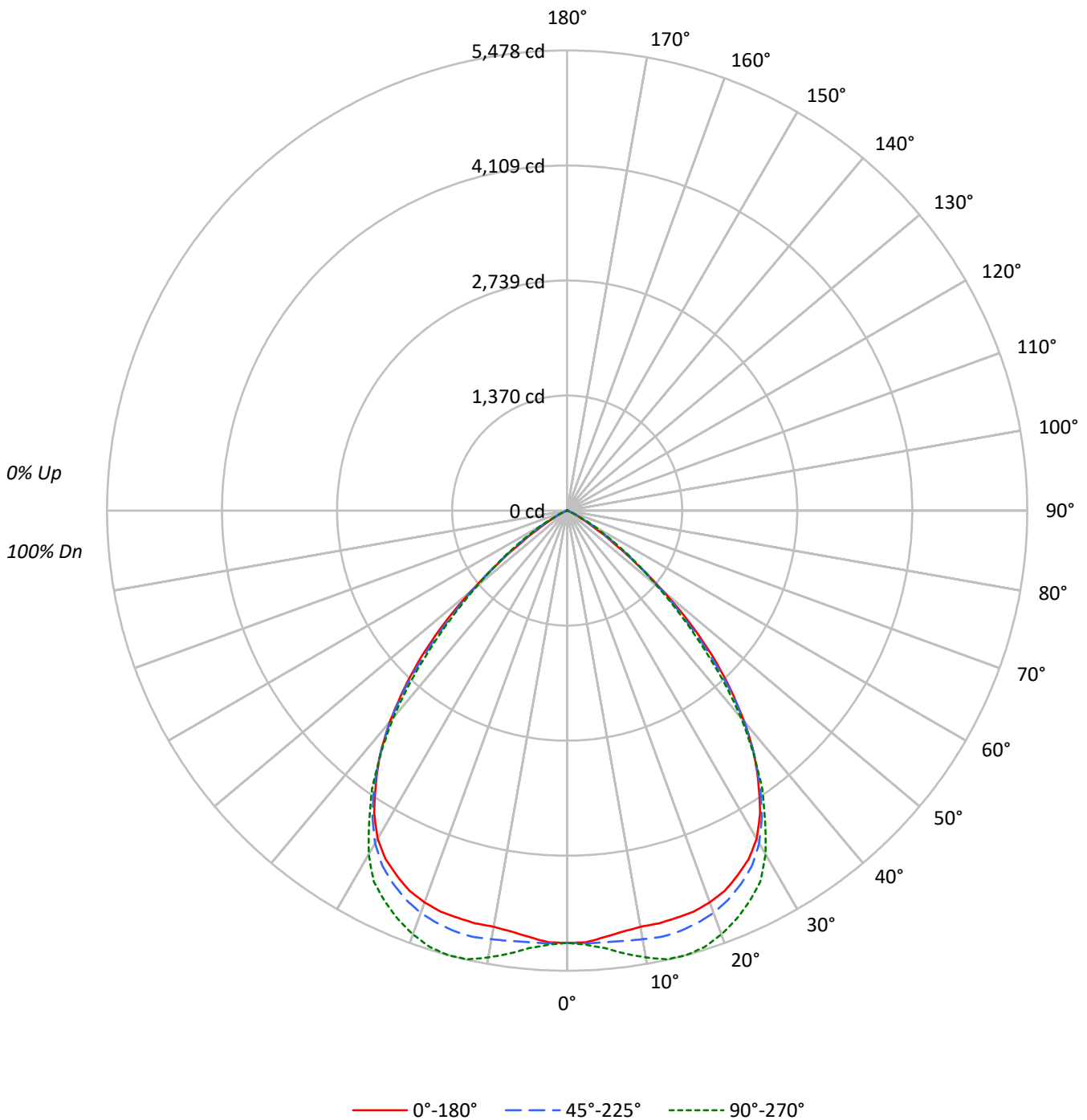
Input Watts (W): 74.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	103	101	99	99	97	96	96	94	93	91					91			
2	105	99	94	90	103	98	93	89	94	91	87	91	88	85	88	86	84	82					82			
3	98	90	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	73					73			
4	92	83	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	66					66			
5	86	75	68	63	84	74	68	63	73	67	62	71	66	62	69	65	61	59					59			
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54					54			
7	75	64	56	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49					49			
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44					44			
9	66	54	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40					40			
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37					37			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	158656	158656	158656
5°	157776	159664	161893
10°	157503	162231	169119
15°	160262	165498	174883
20°	162866	167230	176156
25°	163149	166756	174649
30°	160661	162762	168174
35°	149526	150505	152387
40°	132158	131997	129618
45°	106450	102481	98513
50°	71479	69609	67258
55°	36289	39407	41826
60°	14863	18193	21215
65°	5545	5910	6932
70°	361	361	270
75°	715	1191	1549
80°	178	0	0
85°	708	0	708



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	494.1	5.3
10°-20°	1472.4	15.8
20°-30°	2265.8	24.3
30°-40°	2481.6	26.6
40°-50°	1804.4	19.3
50°-60°	694.1	7.4
60°-70°	108.7	1.2
70°-80°	7.8	0.1
80°-90°	3.2	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°	4232.2	45.4
0°-40°	6713.9	71.9
0°-60°	9212.3	98.7
0°-90°	9332.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9332.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5145	5145	5145	5145	5145	
5°	5097	5123	5158	5207	5230	484
15°	5020	5059	5184	5376	5478	1420
25°	4795	4824	4901	5046	5133	2205
35°	3972	3972	3998	4023	4048	2467
45°	2441	2416	2350	2290	2259	1856
55°	675	693	733	757	778	659
65°	76	79	81	92	95	93
75°	6	13	10	13	13	8
85°	2	0	0	0	2	5
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5145.1	5145.1	5145.1	5145.1	5145.1
2.5°	5144.1	5152.1	5157.1	5168.1	5173.1
5°	5097.1	5123.1	5158.1	5207.1	5230.1
7.5°	5056.1	5092.1	5167.1	5273.1	5320.1
10°	5030.1	5069.1	5181.1	5325.1	5401.1
12.5°	5033.1	5076.1	5197.1	5370.1	5472.1
15°	5020.1	5059.1	5184.1	5376.1	5478.1
17.5°	5005.1	5037.1	5148.1	5336.1	5446.1
20°	4963.1	4990.1	5096.1	5266.1	5368.1
22.5°	4900.1	4925.1	5013.1	5171.1	5265.1
25°	4795.1	4824.1	4901.1	5046.1	5133.1
27.5°	4678.1	4695.1	4766.1	4898.1	4981.1
30°	4512.1	4518.1	4571.1	4673.1	4723.1
32.5°	4275.1	4274.1	4314.1	4365.1	4384.1
35°	3972.1	3972.1	3998.1	4023.1	4048.1
37.5°	3657.1	3653.1	3656.1	3662.1	3641.1
40°	3283.1	3275.1	3279.1	3243.0	3220.0
42.5°	2873.0	2880.0	2840.0	2776.0	2752.0
45°	2441.0	2416.0	2350.0	2290.0	2259.0
47.5°	1982.0	1943.0	1880.0	1818.0	1813.0
50°	1490.0	1492.0	1451.0	1416.0	1402.0
52.5°	1034.0	1045.0	1066.0	1070.0	1075.0
55°	675.0	693.0	733.0	757.0	778.0
57.5°	413.0	446.0	480.0	525.0	529.0
60°	241.0	257.0	295.0	329.0	344.0
62.5°	136.0	151.0	159.0	179.0	184.0
65°	76.0	79.0	81.0	92.0	95.0
67.5°	46.0	48.0	50.0	49.0	51.0
70°	4.0	9.0	4.0	5.0	3.0
72.5°	17.0	11.0	12.0	9.0	6.0
75°	6.0	13.0	10.0	13.0	13.0
77.5°	4.0	3.0	5.0	6.0	5.0
80°	1.0	0.0	0.0	0.0	0.0
82.5°	9.0	8.0	5.0	8.0	3.0
85°	2.0	0.0	0.0	0.0	2.0
87.5°	6.0	3.0	3.0	7.0	2.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)