

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: P247629

Luminaire Tested: **LD8B120D010 ER8B120830 8LBS0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247629
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-87)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B120D010 ER8B120830 8LBS0B
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 3000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11016.0 lumens
Efficiency: N/A
Efficacy: 93.1 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.18 / 1.23
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

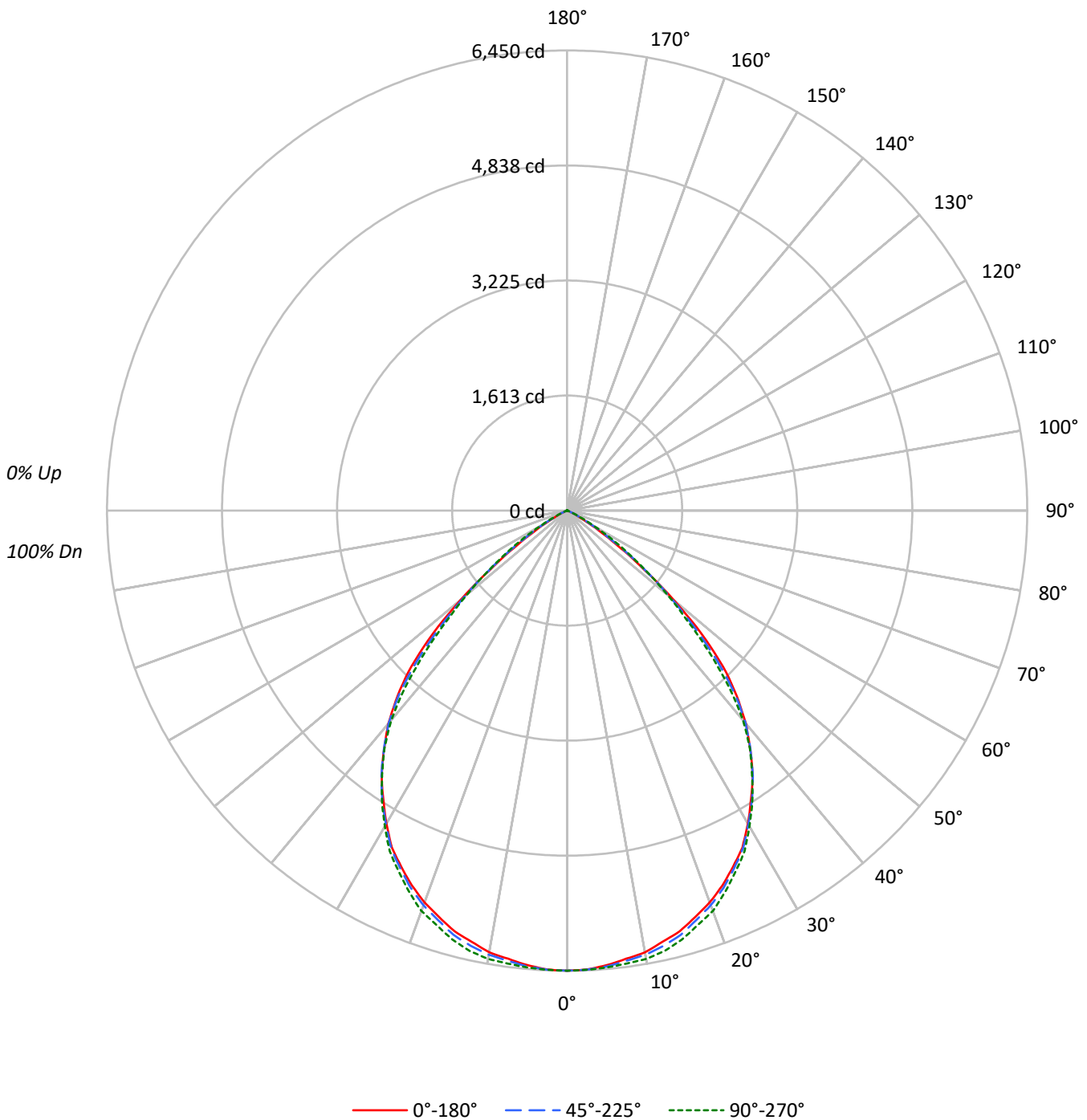
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	103	101	99	99	97	96	95	94	93	91					91			
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	82					82			
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	73					73			
4	91	82	75	70	89	81	75	70	79	73	69	77	72	68	75	71	67	65					65			
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59					59			
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	59	55	53					53			
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48					48			
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44					44			
9	66	54	47	42	64	54	47	42	52	46	42	51	46	42	51	45	42	40					40			
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37					37			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	198897	198897	198897
5°	197989	198515	198998
10°	196865	197930	199793
15°	194877	196550	198676
20°	191763	193158	195996
25°	187310	188320	190008
30°	180384	180836	181997
35°	170600	170867	170174
40°	156765	156596	154426
45°	134805	129305	123375
50°	93720	90390	87872
55°	48896	53159	56283
60°	19834	23417	27173
65°	6304	7749	8267
70°	893	514	252
75°	0	0	0
80°	2255	497	746
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	609.1	5.5
10°-20°	1733.4	15.7
20°-30°	2546.5	23.1
30°-40°	2819.3	25.6
40°-50°	2246.8	20.4
50°-60°	920.6	8.4
60°-70°	135.6	1.2
70°-80°	1.9	0.0
80°-90°	2.7	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°	4889.0	44.4
0°-40°	7708.3	70.0
0°-60°	10875.8	98.7
0°-90°	11016.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11016.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6450	6450	6450	6450	6450	
5°	6396	6408	6413	6423	6429	607
15°	6104	6109	6157	6215	6223	1718
25°	5505	5500	5535	5568	5584	2532
35°	4532	4526	4539	4533	4521	2817
45°	3091	3063	2965	2855	2829	2320
55°	910	941	989	1046	1047	875
65°	86	91	106	116	113	114
75°	0	0	0	0	0	4
85°	0	0	0	6	0	5
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6450.1	6450.1	6450.1	6450.1	6450.1
2.5°	6438.7	6440.2	6440.2	6433.1	6441.6
5°	6396.2	6407.6	6413.2	6423.2	6428.8
7.5°	6336.7	6333.9	6363.7	6399.1	6403.3
10°	6287.2	6281.5	6321.2	6367.9	6380.7
12.5°	6189.4	6196.5	6247.5	6295.7	6321.2
15°	6104.4	6108.7	6156.8	6214.9	6223.4
17.5°	5972.7	5985.4	6018.0	6078.9	6090.2
20°	5843.7	5849.4	5886.2	5935.8	5972.7
22.5°	5686.5	5696.4	5724.7	5768.7	5787.1
25°	5505.2	5499.5	5534.9	5567.5	5584.5
27.5°	5321.0	5311.1	5338.0	5369.2	5384.7
30°	5066.0	5063.2	5078.7	5098.6	5111.3
32.5°	4798.2	4805.3	4820.9	4826.6	4830.8
35°	4531.9	4526.2	4539.0	4533.3	4520.6
37.5°	4216.0	4220.2	4220.2	4214.6	4208.9
40°	3894.4	3898.7	3890.2	3859.0	3836.3
42.5°	3517.6	3520.4	3476.5	3407.1	3360.3
45°	3091.2	3062.8	2965.1	2854.6	2829.1
47.5°	2554.2	2506.1	2404.1	2320.5	2290.7
50°	1953.6	1918.2	1884.2	1840.2	1831.7
52.5°	1369.9	1388.3	1401.1	1415.2	1411.0
55°	909.5	940.7	988.8	1045.5	1046.9
57.5°	546.8	582.2	643.2	705.5	735.2
60°	321.6	335.7	379.7	426.4	440.6
62.5°	174.2	178.5	198.3	245.1	238.0
65°	86.4	90.7	106.2	116.2	113.3
67.5°	42.5	46.7	49.6	63.7	52.4
70°	9.9	2.8	5.7	7.1	2.8
72.5°	0.0	0.0	2.8	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	2.8	0.0	0.0	0.0	5.7
80°	12.7	8.5	2.8	2.8	4.2
82.5°	4.2	1.4	4.2	1.4	0.0
85°	0.0	0.0	0.0	5.7	0.0
87.5°	7.1	1.4	1.4	4.2	7.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)