

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: P247353

Luminaire Tested: **LD8B120D010 ER8B120850 8LBS0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247353
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 ER8B120850 8LBS0WMH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 5000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13379.0 lumens
Efficiency: N/A
Efficacy: 113.1 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

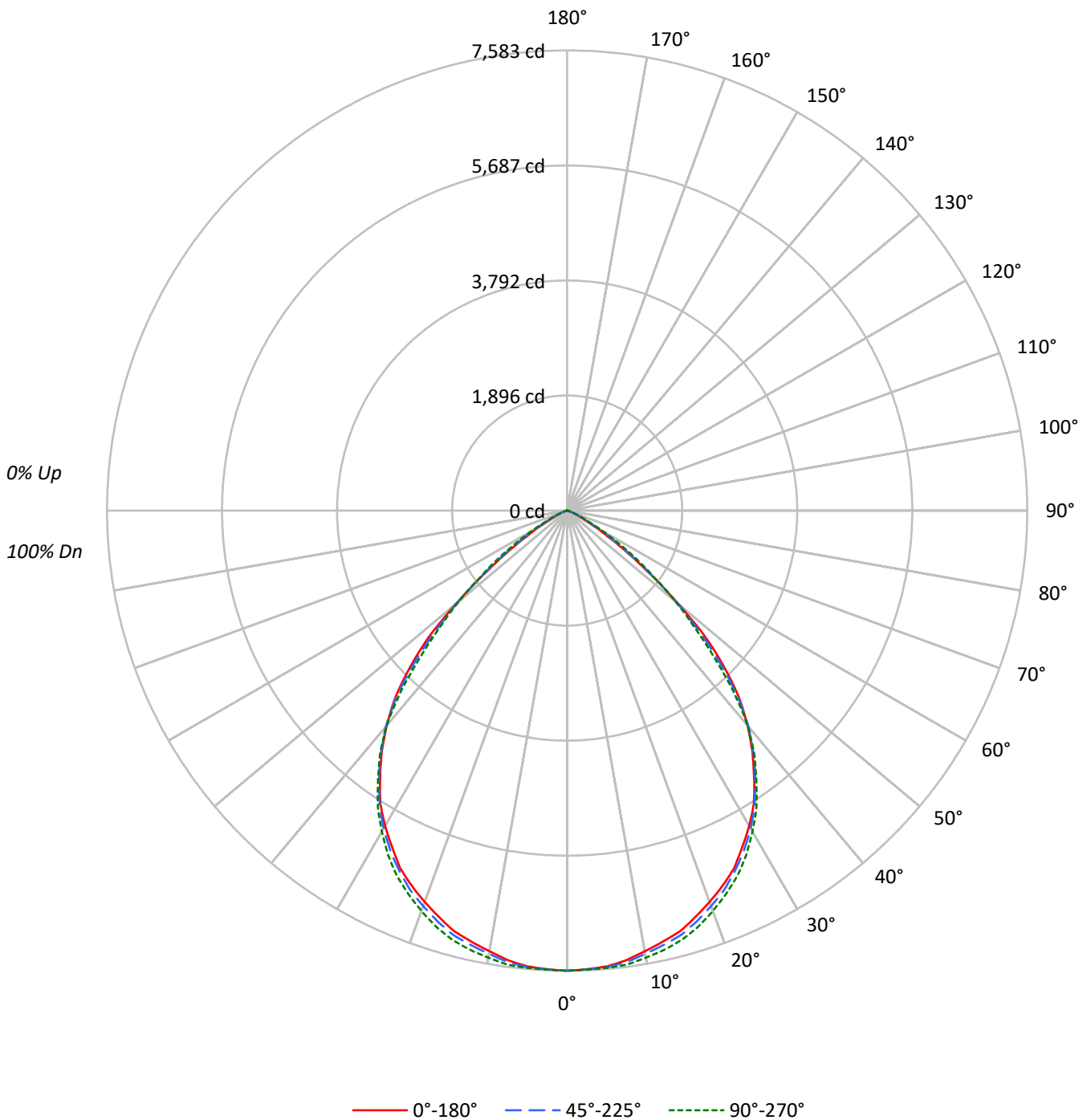
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	233844	233844	233844
5°	233354	233722	234137
10°	230863	232219	234273
15°	229231	231233	233710
20°	225251	227600	230393
25°	221361	222783	225879
30°	213701	215399	217418
35°	202225	203459	204525
40°	186211	187108	186629
45°	160538	156308	150059
50°	114607	112890	111532
55°	65783	69713	75492
60°	31200	36535	42240
65°	14695	17745	20357
70°	6861	7673	8745
75°	3205	4623	5338
80°	2646	2380	3711
85°	1061	2654	1592



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	716.5	5.4
10°-20°	2038.9	15.2
20°-30°	3012.2	22.5
30°-40°	3365.9	25.2
40°-50°	2717.4	20.3
50°-60°	1208.7	9.0
60°-70°	272.2	2.0
70°-80°	42.1	0.3
80°-90°	5.0	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°	5767.7	43.1
0°-40°	9133.6	68.3
0°-60°	13059.7	97.6
0°-90°	13379.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13379.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7583	7583	7583	7583	7583	
5°	7539	7537	7551	7552	7564	714
15°	7180	7185	7243	7297	7321	2019
25°	6506	6506	6548	6602	6639	2983
35°	5372	5369	5405	5411	5433	3348
45°	3681	3653	3584	3458	3441	2784
55°	1224	1242	1297	1364	1404	1151
65°	201	227	243	264	279	234
75°	27	37	39	37	45	35
85°	3	4	8	16	4	3
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7583.4	7583.4	7583.4	7583.4	7583.4
2.5°	7564.0	7559.5	7567.0	7562.5	7570.0
5°	7538.7	7537.2	7550.6	7552.1	7564.0
7.5°	7473.0	7474.5	7502.8	7523.7	7547.6
10°	7373.0	7379.0	7416.3	7462.6	7481.9
12.5°	7277.5	7285.0	7332.7	7396.9	7411.8
15°	7180.5	7185.0	7243.2	7296.9	7320.8
17.5°	7022.3	7052.2	7097.0	7158.1	7189.5
20°	6864.2	6885.1	6935.8	7002.9	7020.9
22.5°	6691.1	6713.5	6764.2	6819.4	6838.8
25°	6506.0	6506.0	6547.8	6601.5	6638.8
27.5°	6247.9	6279.2	6309.1	6356.8	6394.1
30°	6001.7	6013.6	6049.4	6088.2	6106.1
32.5°	5728.6	5730.1	5746.5	5789.8	5806.2
35°	5372.0	5369.0	5404.8	5410.8	5433.1
37.5°	5015.3	5030.2	5043.7	5064.6	5066.1
40°	4625.9	4633.3	4648.2	4625.9	4636.3
42.5°	4202.1	4191.6	4163.3	4096.1	4067.8
45°	3681.3	3652.9	3584.3	3457.5	3441.0
47.5°	3106.8	3036.7	2953.1	2859.1	2841.2
50°	2389.0	2395.0	2353.2	2321.9	2324.9
52.5°	1741.4	1762.3	1772.7	1802.6	1819.0
55°	1223.6	1241.5	1296.7	1363.9	1404.2
57.5°	792.4	826.7	898.3	974.4	1002.8
60°	505.9	528.2	592.4	647.6	684.9
62.5°	331.3	338.7	374.5	425.3	426.8
65°	201.4	226.8	243.2	264.1	279.0
67.5°	131.3	131.3	146.2	165.6	170.1
70°	76.1	77.6	85.1	92.5	97.0
72.5°	41.8	46.3	50.7	58.2	65.7
75°	26.9	37.3	38.8	37.3	44.8
77.5°	17.9	17.9	14.9	25.4	26.9
80°	14.9	10.4	13.4	19.4	20.9
82.5°	0.0	1.5	1.5	3.0	0.0
85°	3.0	4.5	7.5	16.4	4.5
87.5°	0.0	4.5	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)