

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: P247365

Luminaire Tested: **LD8B120D010 ER8B120935 8LBS0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P247365  
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 ER8B120935 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: 11264.0 lumens  
Efficiency: N/A  
Efficacy: 95.2 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

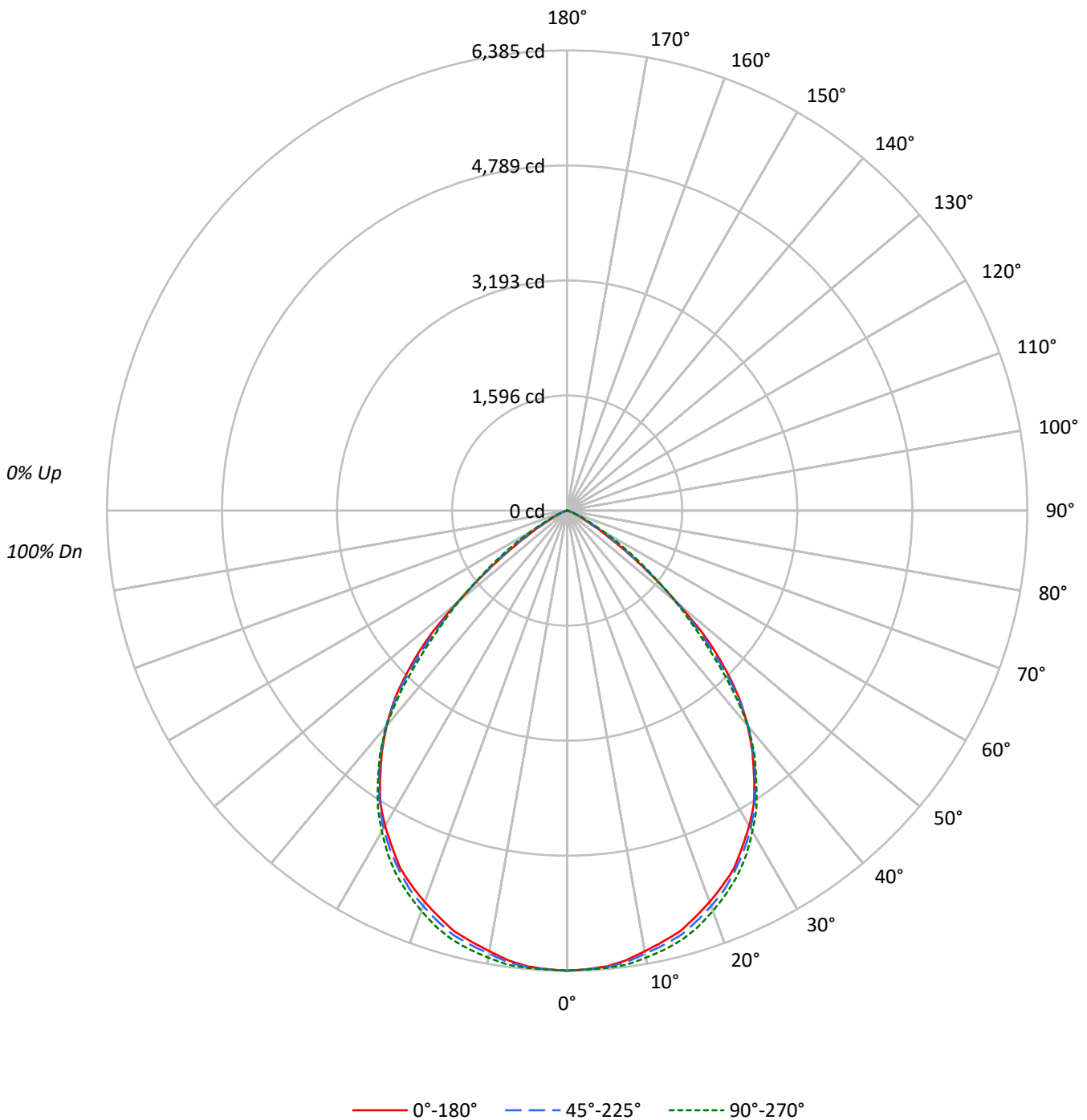
Input Watts (W): 118.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	196878	196878	196878
5°	196463	196775	197125
10°	194369	195509	197241
15°	192994	194680	196764
20°	189643	191622	193971
25°	186367	187565	190174
30°	179917	181349	183051
35°	170253	171296	172196
40°	156773	157530	157127
45°	135158	131599	126340
50°	96492	95044	93897
55°	55385	58691	63557
60°	26266	30762	35560
65°	12375	14943	17139
70°	5779	6455	7366
75°	2693	3896	4492
80°	2237	2007	3125
85°	885	2229	1344



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	603.3	5.4
10°-20°	1716.6	15.2
20°-30°	2536.0	22.5
30°-40°	2833.8	25.2
40°-50°	2287.8	20.3
50°-60°	1017.6	9.0
60°-70°	229.2	2.0
70°-80°	35.4	0.3
80°-90°	4.2	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°	4855.9	43.1
0°-40°	7689.7	68.3
0°-60°	10995.2	97.6
0°-90°	11264.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11264.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	6385	6385	6385	6385	6385	
5°	6347	6346	6357	6358	6368	601
15°	6045	6049	6098	6143	6164	1700
25°	5478	5478	5513	5558	5589	2511
35°	4523	4520	4550	4555	4574	2819
45°	3099	3076	3018	2911	2897	2343
55°	1030	1045	1092	1148	1182	969
65°	170	191	205	222	235	197
75°	23	31	33	31	38	29
85°	2	4	6	14	4	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	6384.6	6384.6	6384.6	6384.6	6384.6
2.5°	6368.3	6364.5	6370.8	6367.0	6373.3
5°	6346.9	6345.7	6357.0	6358.2	6368.3
7.5°	6291.6	6292.9	6316.8	6334.4	6354.5
10°	6207.5	6212.5	6243.9	6282.8	6299.2
12.5°	6127.1	6133.3	6173.5	6227.6	6240.1
15°	6045.4	6049.2	6098.2	6143.4	6163.5
17.5°	5912.2	5937.4	5975.0	6026.6	6052.9
20°	5779.1	5796.6	5839.4	5895.9	5911.0
22.5°	5633.3	5652.2	5694.9	5741.4	5757.7
25°	5477.5	5477.5	5512.7	5557.9	5589.4
27.5°	5260.2	5286.6	5311.7	5351.9	5383.3
30°	5052.9	5063.0	5093.1	5125.8	5140.9
32.5°	4823.0	4824.3	4838.1	4874.5	4888.3
35°	4522.7	4520.2	4550.4	4555.4	4574.3
37.5°	4222.5	4235.0	4246.4	4263.9	4265.2
40°	3894.6	3900.9	3913.4	3894.6	3903.4
42.5°	3537.8	3529.0	3505.1	3448.6	3424.7
45°	3099.3	3075.5	3017.7	2910.9	2897.1
47.5°	2615.7	2556.6	2486.3	2407.1	2392.0
50°	2011.4	2016.4	1981.2	1954.8	1957.3
52.5°	1466.1	1483.7	1492.5	1517.6	1531.5
55°	1030.2	1045.3	1091.7	1148.3	1182.2
57.5°	667.1	696.0	756.3	820.4	844.2
60°	425.9	444.7	498.8	545.2	576.6
62.5°	278.9	285.2	315.3	358.1	359.3
65°	169.6	191.0	204.8	222.4	234.9
67.5°	110.6	110.6	123.1	139.5	143.2
70°	64.1	65.3	71.6	77.9	81.7
72.5°	35.2	38.9	42.7	49.0	55.3
75°	22.6	31.4	32.7	31.4	37.7
77.5°	15.1	15.1	12.6	21.4	22.6
80°	12.6	8.8	11.3	16.3	17.6
82.5°	0.0	1.3	1.3	2.5	0.0
85°	2.5	3.8	6.3	13.8	3.8
87.5°	0.0	3.8	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)