

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: P247378

Luminaire Tested: **LD8B80D010 ER8B809730 8LBS0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247378
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: LD8B80D010 ER8B809730 8LBS0WMH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
97 CRI 3000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6605.0 lumens
Efficiency: N/A
Efficacy: 88.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.2 / 1.23
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

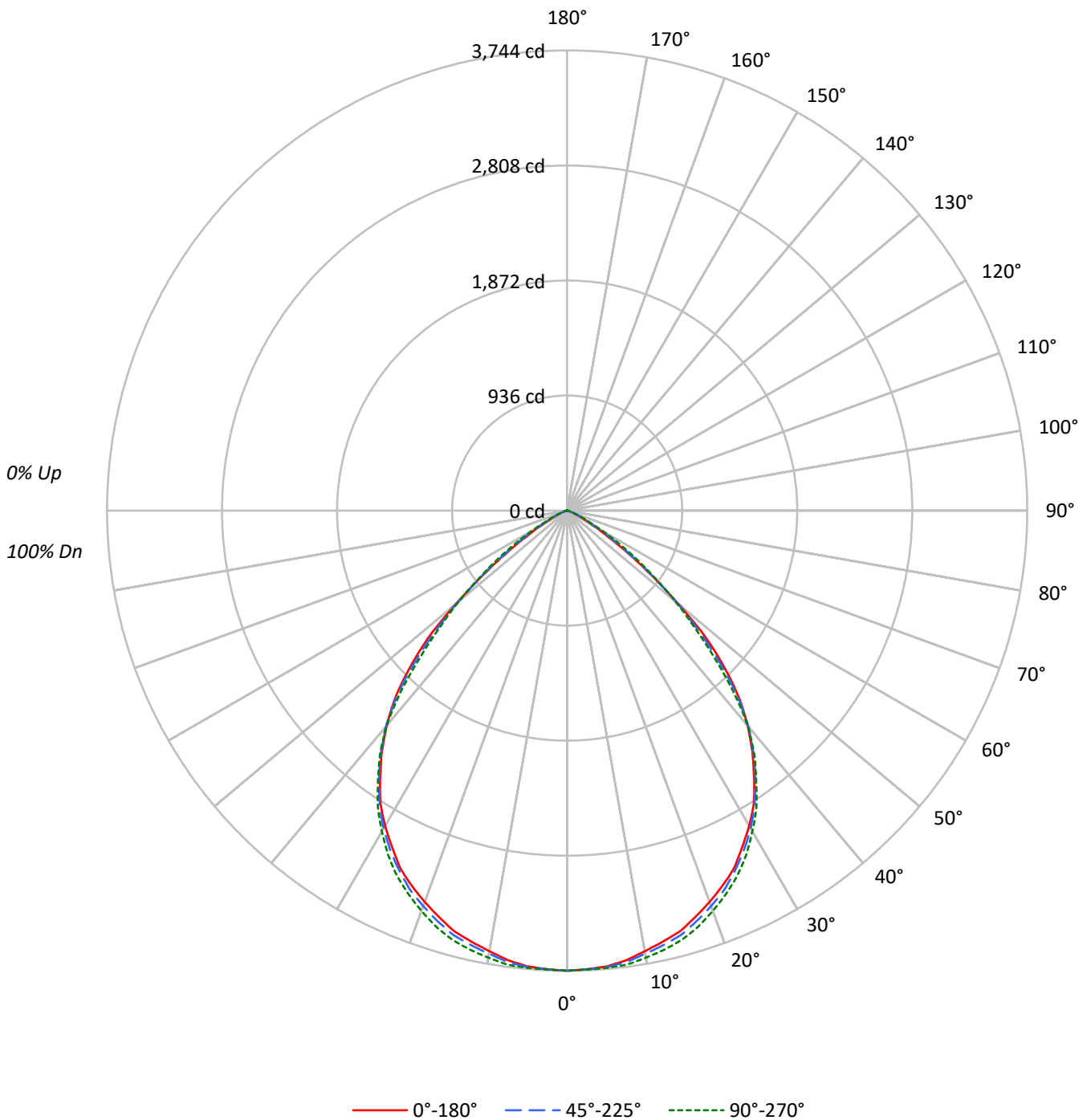
Input Watts (W): 74.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0			
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100			
1	112	109	106	103	110	107	104	101	102	100	98	99	97	95	95	94	92	91	91	91	91			
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	81	81	81	81			
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72	72	72	72			
4	91	81	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64	64	64	64			
5	85	74	67	62	83	73	66	61	71	65	61	70	64	60	68	63	60	58	58	58	58			
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52	52	52	52			
7	74	62	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47	47	47	47			
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	54	48	44	43	43	43	43			
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39	39	39	39			
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36	36	36	36			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	Luminaire represents a point source (luminous area is zero).		
5°	No luminance values can be calculated.		
10°			
15°			
20°			
25°			
30°			
35°			
40°			
45°			
50°			
55°			
60°			
65°			
70°			
75°			
80°			
85°			



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	353.7	5.4
10°-20°	1006.6	15.2
20°-30°	1487.1	22.5
30°-40°	1661.7	25.2
40°-50°	1341.5	20.3
50°-60°	596.7	9.0
60°-70°	134.4	2.0
70°-80°	20.8	0.3
80°-90°	2.5	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°	2847.4	43.1
0°-40°	4509.1	68.3
0°-60°	6447.4	97.6
0°-90°	6605.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6605.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3744	3744	3744	3744	3744	
5°	3722	3721	3728	3728	3734	353
15°	3545	3547	3576	3602	3614	997
25°	3212	3212	3233	3259	3278	1473
35°	2652	2651	2668	2671	2682	1653
45°	1817	1803	1770	1707	1699	1374
55°	604	613	640	673	693	568
65°	100	112	120	130	138	116
75°	13	18	19	18	22	17
85°	2	2	4	8	2	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3743.8	3743.8	3743.8	3743.8	3743.8
2.5°	3734.2	3732.0	3735.7	3733.5	3737.2
5°	3721.7	3721.0	3727.6	3728.3	3734.2
7.5°	3689.3	3690.0	3704.0	3714.3	3726.1
10°	3639.9	3642.9	3661.3	3684.1	3693.7
12.5°	3592.8	3596.5	3620.1	3651.7	3659.1
15°	3544.9	3547.1	3575.9	3602.4	3614.2
17.5°	3466.8	3481.6	3503.7	3533.9	3549.3
20°	3388.7	3399.0	3424.1	3457.2	3466.1
22.5°	3303.3	3314.3	3339.4	3366.6	3376.2
25°	3211.9	3211.9	3232.6	3259.1	3277.5
27.5°	3084.5	3100.0	3114.7	3138.3	3156.7
30°	2962.9	2968.8	2986.5	3005.7	3014.5
32.5°	2828.1	2828.9	2837.0	2858.3	2866.4
35°	2652.1	2650.6	2668.3	2671.2	2682.3
37.5°	2476.0	2483.4	2490.0	2500.3	2501.0
40°	2283.7	2287.4	2294.8	2283.7	2288.9
42.5°	2074.5	2069.3	2055.3	2022.2	2008.2
45°	1817.4	1803.4	1769.5	1706.9	1698.8
47.5°	1533.8	1499.1	1457.9	1411.5	1402.6
50°	1179.4	1182.4	1161.7	1146.3	1147.7
52.5°	859.7	870.0	875.2	889.9	898.0
55°	604.1	612.9	640.2	673.3	693.2
57.5°	391.2	408.1	443.5	481.1	495.0
60°	249.7	260.8	292.5	319.7	338.1
62.5°	163.5	167.2	184.9	210.0	210.7
65°	99.5	112.0	120.1	130.4	137.8
67.5°	64.8	64.8	72.2	81.8	84.0
70°	37.6	38.3	42.0	45.7	47.9
72.5°	20.6	22.8	25.0	28.7	32.4
75°	13.3	18.4	19.2	18.4	22.1
77.5°	8.8	8.8	7.4	12.5	13.3
80°	7.4	5.2	6.6	9.6	10.3
82.5°	0.0	0.7	0.7	1.5	0.0
85°	1.5	2.2	3.7	8.1	2.2
87.5°	0.0	2.2	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)