

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: CORELITE

Report Number: P737984

Luminaire Tested: **14PT-80-PB1-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737984
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-80-PB1-L835
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

Summary

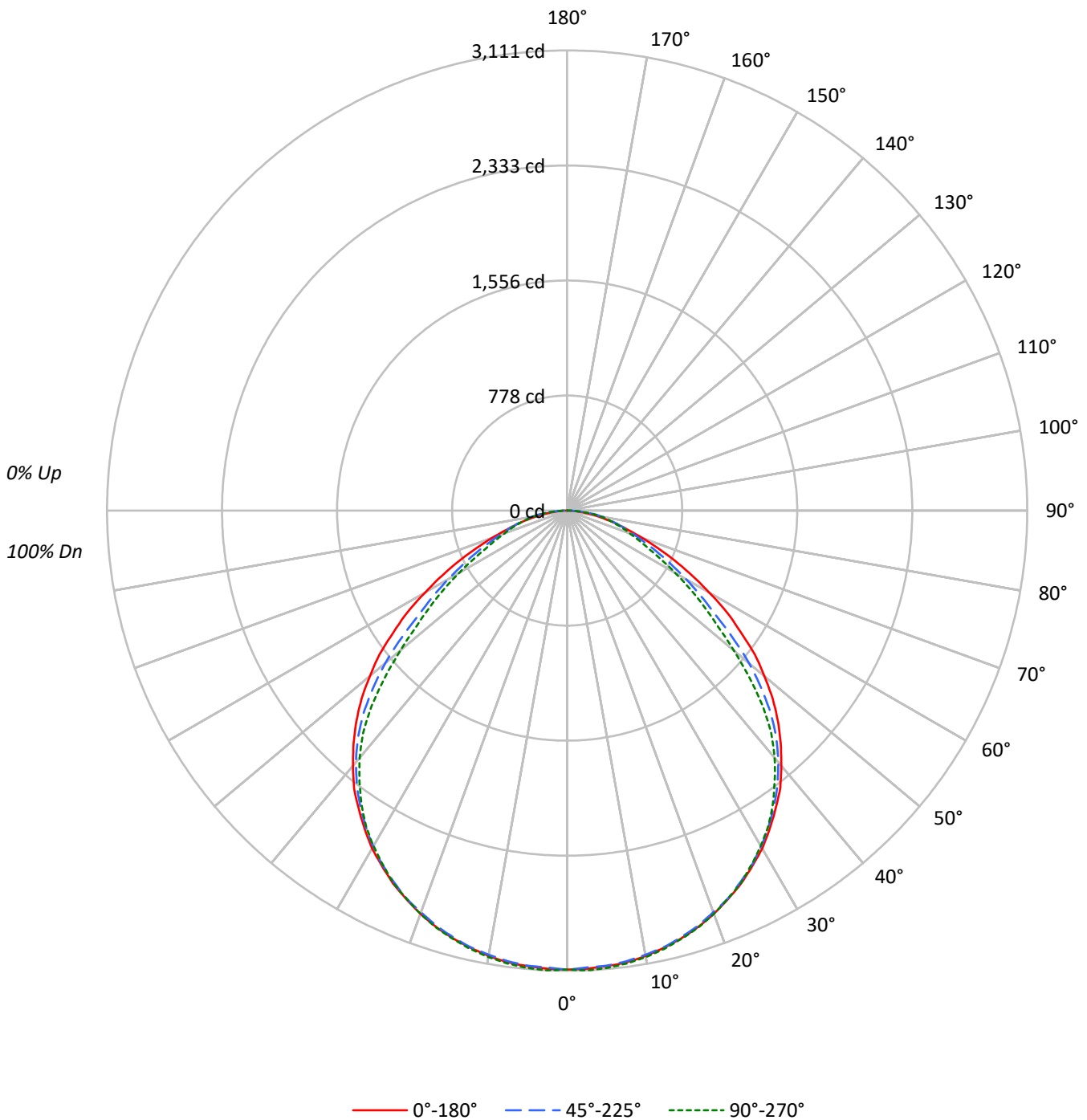
Lumens per Lamp: N/A
Luminaire Lumens: 7738.0 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 71
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

TEST NUMBER: P737984

CATALOG NUMBER: 14PT-80-PB1-L835

Luminous Intensity Polar Plot





TEST NUMBER: P737984

CATALOG NUMBER: 14PT-80-PB1-L835

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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93		95	93	90		91	89	88	86
2	100	93	86	81	98	91	85	80	87	83	78		84	80	77		81	78	75	73
3	92	82	75	69	90	81	74	68	78	72	67		75	70	66		73	68	64	62
4	85	73	65	59	83	72	64	58	70	63	58		67	62	57		65	60	56	54
5	78	66	57	51	76	65	57	51	63	56	50		61	55	50		59	54	49	47
6	72	60	51	45	71	59	51	45	57	50	44		55	49	44		54	48	44	42
7	67	54	46	40	66	53	45	40	52	45	39		51	44	39		49	43	39	37
8	63	50	41	36	61	49	41	36	48	41	35		46	40	35		45	39	35	33
9	59	46	38	32	57	45	37	32	44	37	32		43	36	32		42	36	32	30
10	55	42	34	29	54	42	34	29	41	34	29		40	33	29		39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9304	9304	9304
5°	9305	9293	9339
10°	9308	9285	9331
15°	9288	9265	9300
20°	9255	9219	9255
25°	9205	9167	9192
30°	9131	9078	9065
35°	8997	8927	8871
40°	8814	8694	8545
45°	8545	8270	7930
50°	8118	7495	6854
55°	7482	6364	5905
60°	6661	5561	5058
65°	5714	4820	4305
70°	4718	4250	3948
75°	3979	4068	3847
80°	3362	4152	3954
85°	2625	4200	3677



TEST NUMBER: P737984

CATALOG NUMBER: 14PT-80-PB1-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	294.2	3.8
10°-20°	844.3	10.9
20°-30°	1279.0	16.5
30°-40°	1523.9	19.7
40°-50°	1490.3	19.3
50°-60°	1127.2	14.6
60°-70°	692.5	8.9
70°-80°	368.9	4.8
80°-90°	117.7	1.5
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°	2417.5	31.2
0°-40°	3941.4	50.9
0°-60°	6558.9	84.8
0°-90°	7738.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7738.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3103	3103	3103	3103	3103	
5°	3092	3096	3088	3099	3103	294
15°	2992	2996	2985	2996	2996	845
25°	2783	2779	2771	2775	2779	1282
35°	2458	2454	2439	2428	2424	1538
45°	2015	2004	1950	1886	1870	1550
55°	1431	1359	1218	1149	1130	1282
65°	805	740	679	626	607	801
75°	344	347	351	340	332	368
85°	76	99	122	114	107	92
90°	0	0	0	0	0	



TEST NUMBER: P737984

CATALOG NUMBER: 14PT-80-PB1-L835

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3103.2	3103.2	3103.2	3103.2	3103.2
2.5°	3099.4	3103.2	3091.8	3107.1	3110.9
5°	3091.8	3095.6	3088.0	3099.4	3103.2
7.5°	3080.3	3080.3	3072.7	3084.2	3088.0
10°	3057.4	3057.4	3049.8	3061.3	3065.1
12.5°	3026.9	3026.9	3023.1	3030.7	3034.5
15°	2992.5	2996.4	2984.9	2996.4	2996.4
17.5°	2950.6	2946.7	2942.9	2950.6	2954.4
20°	2900.9	2900.9	2889.5	2897.1	2900.9
22.5°	2843.7	2843.7	2839.9	2843.7	2839.9
25°	2782.6	2778.8	2771.2	2775.0	2778.8
27.5°	2710.1	2710.1	2702.5	2702.5	2698.6
30°	2637.6	2633.7	2622.3	2614.7	2618.5
32.5°	2549.8	2546.0	2534.5	2526.9	2530.7
35°	2458.2	2454.3	2439.1	2427.6	2423.8
37.5°	2366.6	2355.1	2336.0	2320.8	2305.5
40°	2252.0	2240.6	2221.5	2187.2	2183.3
42.5°	2137.5	2126.1	2095.5	2053.6	2042.1
45°	2015.4	2003.9	1950.5	1885.6	1870.3
47.5°	1885.6	1866.5	1782.6	1702.4	1671.9
50°	1740.6	1706.2	1607.0	1503.9	1469.6
52.5°	1599.3	1538.3	1408.5	1316.9	1282.5
55°	1431.4	1358.9	1217.6	1148.9	1129.8
57.5°	1282.5	1183.3	1068.8	1000.1	984.8
60°	1110.8	1019.1	927.5	866.5	843.6
62.5°	954.3	874.1	797.8	744.3	717.6
65°	805.4	740.5	679.4	626.0	606.9
67.5°	660.3	626.0	576.4	534.4	522.9
70°	538.2	519.1	484.8	465.7	450.4
72.5°	427.5	435.1	412.2	404.6	393.2
75°	343.5	347.3	351.2	339.7	332.1
77.5°	259.6	278.6	293.9	286.3	278.6
80°	194.7	213.8	240.5	229.0	229.0
82.5°	133.6	156.5	179.4	171.8	167.9
85°	76.3	99.2	122.1	114.5	106.9
87.5°	30.5	49.6	53.4	53.4	49.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)