

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: P738016

Luminaire Tested: **14PT-80-PR1-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738016
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-80-PR1-L835
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

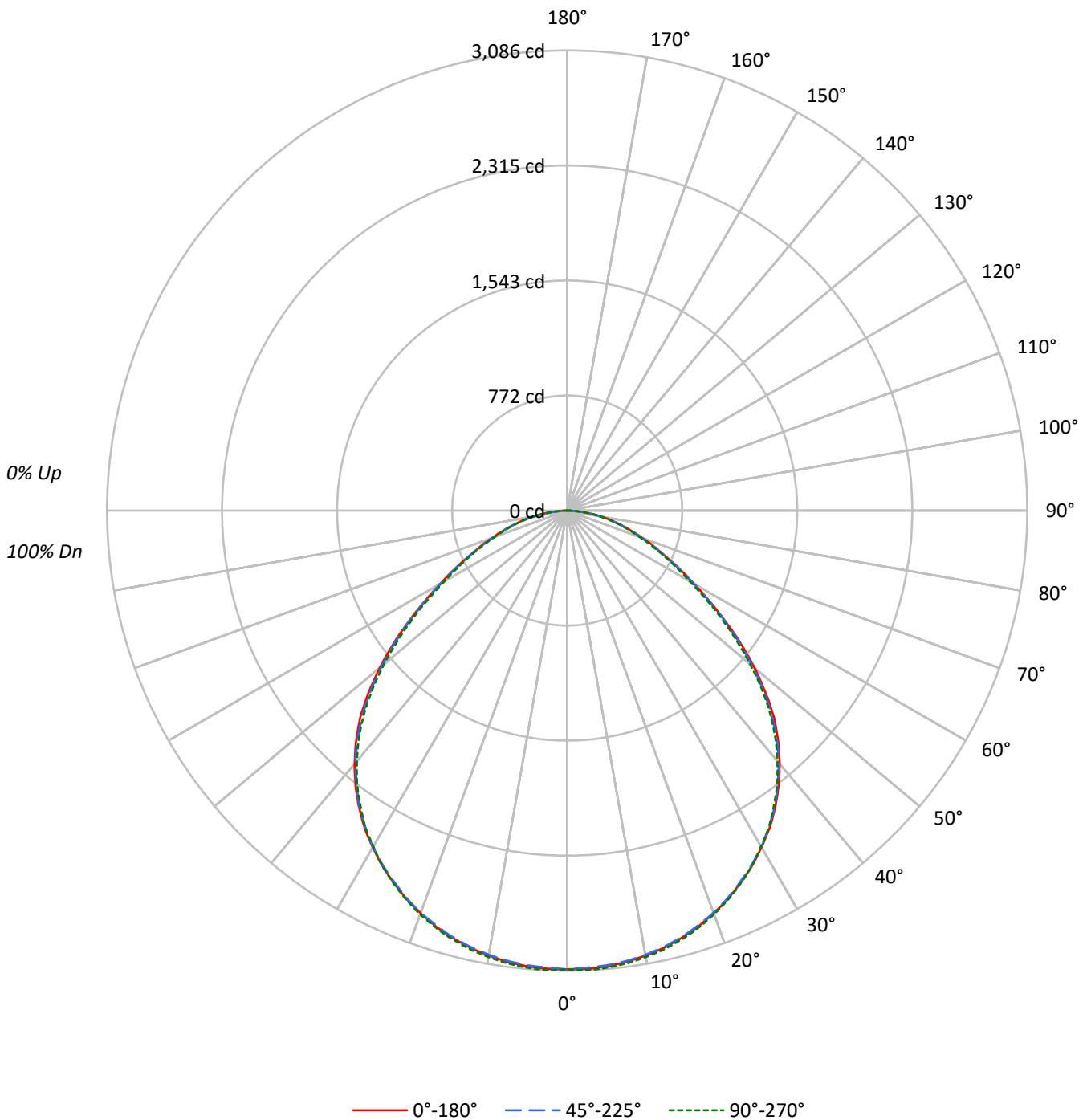
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7781.0 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 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 (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

TEST NUMBER: P738016
CATALOG NUMBER: 14PT-80-PR1-L835

Luminous Intensity Polar Plot





TEST NUMBER: P738016

CATALOG NUMBER: 14PT-80-PR1-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	92	90		91	89	88	85
2	100	93	86	81	98	91	85	80	87	82	78		84	80	76		81	78	75	73
3	92	82	74	68	90	80	73	68	78	71	66		75	70	65		72	68	64	62
4	85	73	65	58	82	72	64	58	69	63	57		67	61	56		65	60	56	54
5	78	66	57	51	76	65	56	50	62	55	50		61	54	49		59	53	49	47
6	72	59	51	45	70	58	50	44	57	49	44		55	49	44		53	48	43	41
7	67	54	45	40	65	53	45	39	52	44	39		50	44	39		49	43	39	37
8	62	49	41	35	61	49	41	35	47	40	35		46	40	35		45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32		43	36	32		42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29		39	33	29		39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9224	9224	9224
5°	9233	9213	9263
10°	9226	9209	9259
15°	9207	9194	9238
20°	9169	9158	9193
25°	9109	9087	9120
30°	9029	9017	9006
35°	8904	8883	8847
40°	8679	8645	8584
45°	8318	8225	8164
50°	7653	7566	7473
55°	6773	6744	6612
60°	5885	5865	5707
65°	5186	5155	5054
70°	4707	4640	4543
75°	4355	4254	4177
80°	3980	3923	3790
85°	3148	3110	2996



TEST NUMBER: P738016

CATALOG NUMBER: 14PT-80-PR1-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.8	3.8
10°-20°	837.7	10.8
20°-30°	1269.0	16.3
30°-40°	1514.9	19.5
40°-50°	1489.9	19.1
50°-60°	1151.5	14.8
60°-70°	726.1	9.3
70°-80°	392.7	5.0
80°-90°	107.3	1.4
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°	2398.6	30.8
0°-40°	3913.5	50.3
0°-60°	6554.9	84.2
0°-90°	7781.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7781.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3077	3077	3077	3077	3077	
5°	3068	3069	3061	3074	3078	292
15°	2966	2968	2962	2972	2976	837
25°	2754	2756	2747	2756	2757	1269
35°	2433	2434	2427	2424	2417	1519
45°	1962	1954	1940	1924	1925	1502
55°	1296	1307	1290	1269	1265	1163
65°	731	732	727	715	712	736
75°	376	372	367	369	361	400
85°	92	93	90	92	87	109
90°	0	0	0	0	0	



TEST NUMBER: P738016

CATALOG NUMBER: 14PT-80-PR1-L835

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3076.7	3076.7	3076.7	3076.7	3076.7
2.5°	3075.6	3076.7	3067.9	3082.2	3085.5
5°	3067.9	3069.0	3061.3	3074.5	3077.8
7.5°	3052.5	3054.7	3046.9	3060.2	3063.5
10°	3030.4	3032.6	3024.9	3038.1	3041.4
12.5°	3002.8	3003.9	2997.3	3009.4	3012.8
15°	2966.4	2967.5	2962.0	2972.0	2976.4
17.5°	2924.5	2925.6	2917.9	2930.0	2932.3
20°	2873.8	2874.9	2870.5	2880.4	2881.5
22.5°	2817.6	2819.8	2813.2	2822.0	2823.1
25°	2753.6	2755.8	2747.0	2755.8	2756.9
27.5°	2686.3	2687.4	2679.7	2686.3	2685.2
30°	2608.0	2614.7	2604.7	2602.5	2601.4
32.5°	2526.4	2527.5	2517.6	2515.4	2519.8
35°	2432.7	2433.8	2427.2	2423.9	2417.3
37.5°	2330.1	2330.1	2318.0	2315.8	2314.7
40°	2217.7	2216.6	2208.8	2201.1	2193.4
42.5°	2095.3	2097.5	2082.0	2068.8	2066.6
45°	1961.8	1954.1	1939.8	1924.3	1925.4
47.5°	1804.1	1806.3	1786.5	1774.3	1771.0
50°	1640.9	1640.9	1622.2	1608.9	1602.3
52.5°	1470.0	1471.1	1453.4	1435.8	1432.5
55°	1295.7	1306.8	1290.2	1269.3	1264.9
57.5°	1132.5	1141.4	1125.9	1103.9	1102.8
60°	981.5	982.6	978.2	957.2	951.7
62.5°	852.4	846.9	844.7	833.7	827.1
65°	731.1	732.2	726.7	714.6	712.4
67.5°	633.0	631.9	622.0	614.2	609.8
70°	537.0	533.7	529.3	522.7	518.3
72.5°	451.0	451.0	447.7	445.5	437.8
75°	376.0	371.6	367.2	369.4	360.6
77.5°	304.4	300.0	296.6	292.2	290.0
80°	230.5	226.1	227.2	220.6	219.5
82.5°	159.9	159.9	157.7	152.2	153.3
85°	91.5	92.6	90.4	91.5	87.1
87.5°	33.1	34.2	36.4	34.2	34.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)