

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: P737785

Luminaire Tested: **14PT-30-PR1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737785
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-30-PR1-L840
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND RIPPLE LENS

Light Source: -
Ballast/Driver: -

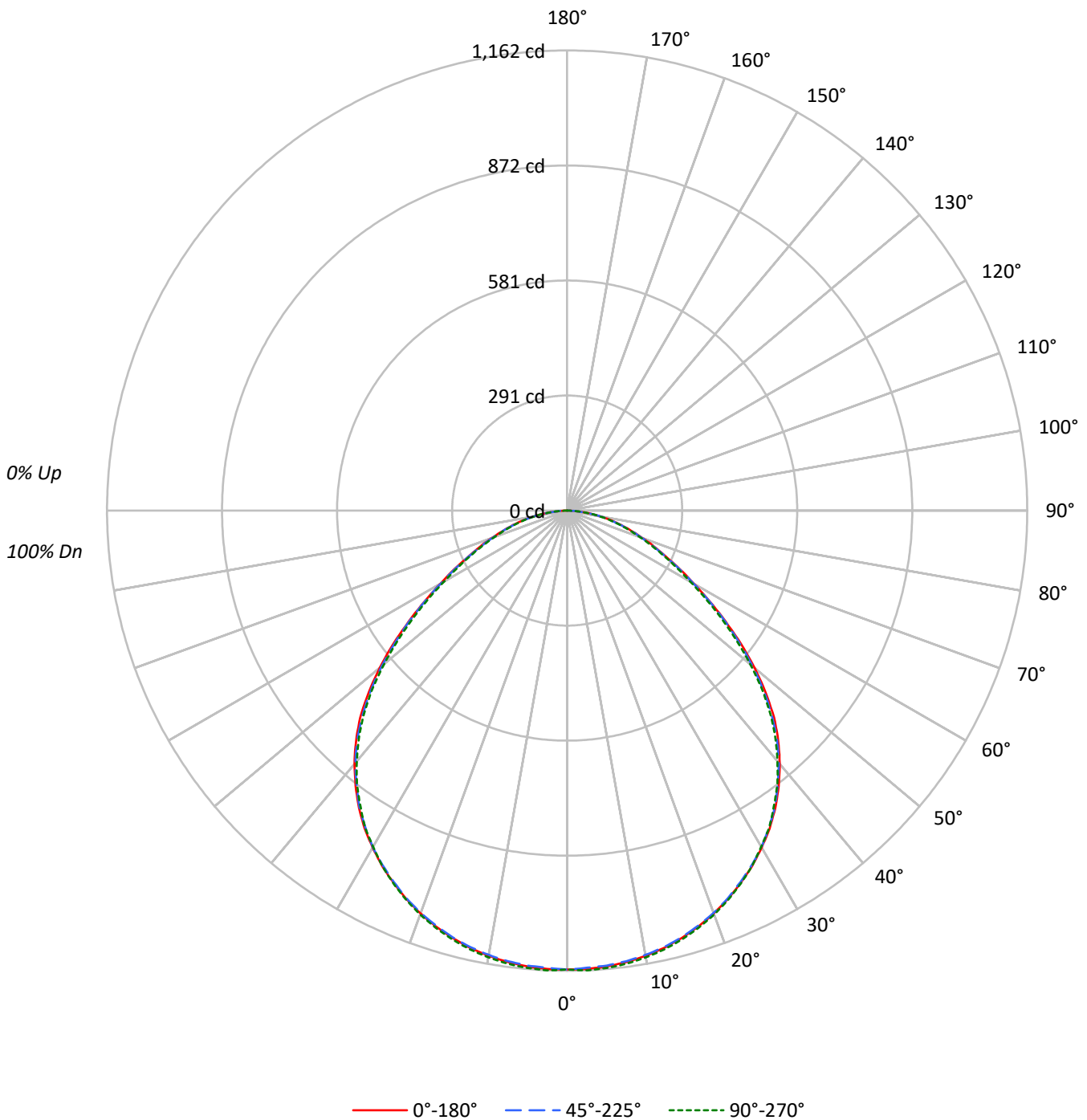
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2931.0 lumens
Efficiency: N/A
Efficacy: 125.3 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): 23.4
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

TEST NUMBER: P737785
CATALOG NUMBER: 14PT-30-PR1-L840

Luminous Intensity Polar Plot





TEST NUMBER: P737785

CATALOG NUMBER: 14PT-30-PR1-L840

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	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°	3475	3475	3475
5°	3478	3470	3489
10°	3475	3469	3488
15°	3468	3463	3480
20°	3454	3450	3463
25°	3431	3423	3435
30°	3401	3397	3392
35°	3354	3346	3332
40°	3270	3256	3234
45°	3133	3098	3075
50°	2883	2850	2815
55°	2551	2540	2491
60°	2217	2210	2150
65°	1954	1942	1903
70°	1773	1748	1711
75°	1641	1602	1573
80°	1499	1478	1428
85°	1187	1173	1128



TEST NUMBER: P737785

CATALOG NUMBER: 14PT-30-PR1-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.9	3.8
10°-20°	315.5	10.8
20°-30°	478.0	16.3
30°-40°	570.7	19.5
40°-50°	561.2	19.1
50°-60°	433.7	14.8
60°-70°	273.5	9.3
70°-80°	147.9	5.0
80°-90°	40.4	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°	903.5	30.8
0°-40°	1474.2	50.3
0°-60°	2469.1	84.2
0°-90°	2931.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2931.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1159	1159	1159	1159	1159	
5°	1156	1156	1153	1158	1159	110
15°	1117	1118	1116	1120	1121	315
25°	1037	1038	1035	1038	1038	478
35°	916	917	914	913	910	572
45°	739	736	731	725	725	566
55°	488	492	486	478	476	438
65°	275	276	274	269	268	277
75°	142	140	138	139	136	151
85°	34	35	34	34	33	41
90°	0	0	0	0	0	



TEST NUMBER: P737785

CATALOG NUMBER: 14PT-30-PR1-L840

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1159.0	1159.0	1159.0	1159.0	1159.0
2.5°	1158.5	1159.0	1155.6	1161.0	1162.3
5°	1155.6	1156.0	1153.1	1158.1	1159.4
7.5°	1149.8	1150.6	1147.7	1152.7	1154.0
10°	1141.5	1142.3	1139.4	1144.4	1145.7
12.5°	1131.1	1131.5	1129.0	1133.6	1134.9
15°	1117.4	1117.8	1115.8	1119.5	1121.2
17.5°	1101.6	1102.0	1099.1	1103.7	1104.5
20°	1082.5	1082.9	1081.3	1085.0	1085.4
22.5°	1061.3	1062.2	1059.7	1063.0	1063.4
25°	1037.2	1038.1	1034.8	1038.1	1038.5
27.5°	1011.9	1012.3	1009.4	1011.9	1011.5
30°	982.4	984.9	981.2	980.3	979.9
32.5°	951.7	952.1	948.4	947.5	949.2
35°	916.4	916.8	914.3	913.0	910.5
37.5°	877.7	877.7	873.2	872.3	871.9
40°	835.4	834.9	832.0	829.1	826.2
42.5°	789.3	790.1	784.3	779.3	778.5
45°	739.0	736.1	730.7	724.9	725.3
47.5°	679.6	680.4	672.9	668.4	667.1
50°	618.1	618.1	611.0	606.1	603.6
52.5°	553.7	554.1	547.5	540.8	539.6
55°	488.1	492.2	486.0	478.1	476.5
57.5°	426.6	429.9	424.1	415.8	415.4
60°	369.7	370.1	368.5	360.6	358.5
62.5°	321.1	319.0	318.2	314.0	311.5
65°	275.4	275.8	273.7	269.2	268.3
67.5°	238.4	238.0	234.3	231.4	229.7
70°	202.3	201.1	199.4	196.9	195.2
72.5°	169.9	169.9	168.7	167.8	164.9
75°	141.7	140.0	138.3	139.2	135.8
77.5°	114.6	113.0	111.7	110.1	109.2
80°	86.8	85.2	85.6	83.1	82.7
82.5°	60.2	60.2	59.4	57.3	57.7
85°	34.5	34.9	34.1	34.5	32.8
87.5°	12.5	12.9	13.7	12.9	12.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)