

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: P737777

Luminaire Tested: **14PT-30-PP3-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737777
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-30-PP3-L840
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

Summary

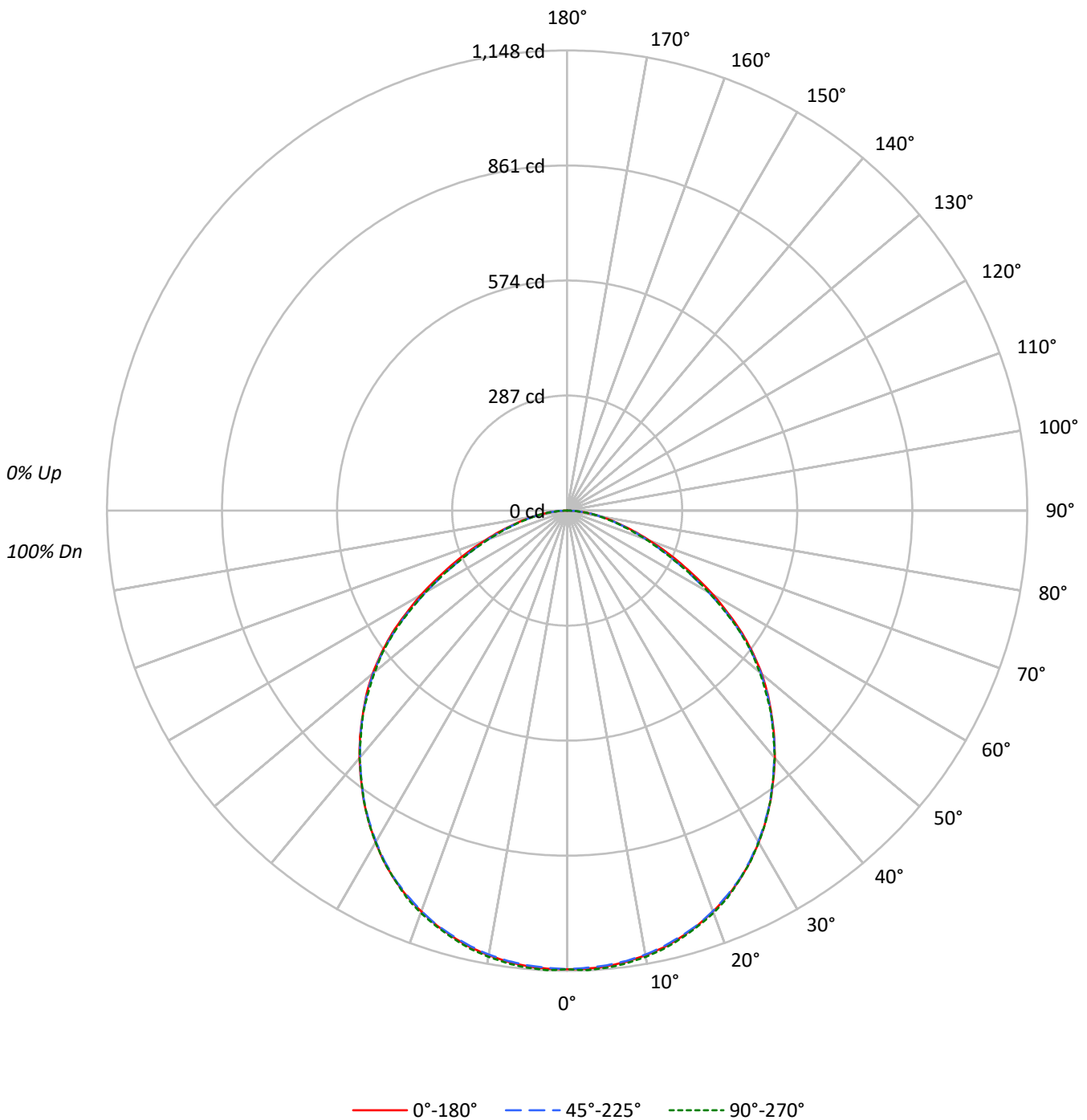
Lumens per Lamp: N/A
Luminaire Lumens: 2957.0 lumens
Efficiency: N/A
Efficacy: 126.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

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

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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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	109	105	101	97	107	103	99	96	99	96	93		95	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	78		84	79	76		81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66		74	69	65		72	67	63	61
4	84	73	64	58	82	71	63	57	69	62	56		66	60	56		64	59	55	53
5	77	65	56	50	75	64	56	50	62	55	49		60	54	49		58	52	48	46
6	72	59	50	44	70	58	50	44	56	49	43		54	48	43		53	47	42	40
7	66	53	45	39	65	52	44	39	51	44	38		50	43	38		48	42	38	36
8	62	49	40	35	60	48	40	35	47	39	34		45	39	34		44	38	34	32
9	58	45	37	31	57	44	36	31	43	36	31		42	35	31		41	35	31	29
10	54	41	34	28	53	41	33	28	40	33	28		39	33	28		38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3431	3431	3431
5°	3434	3427	3445
10°	3430	3425	3441
15°	3418	3411	3427
20°	3395	3393	3407
25°	3365	3360	3364
30°	3309	3302	3309
35°	3237	3232	3235
40°	3154	3144	3152
45°	3059	3051	3054
50°	2957	2943	2922
55°	2783	2751	2742
60°	2526	2441	2446
65°	2219	2107	2104
70°	1919	1831	1810
75°	1660	1597	1564
80°	1471	1449	1385
85°	1214	1259	1187



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.5	3.7
10°-20°	310.9	10.5
20°-30°	468.1	15.8
30°-40°	552.5	18.7
40°-50°	555.7	18.8
50°-60°	469.1	15.9
60°-70°	301.3	10.2
70°-80°	149.8	5.1
80°-90°	41.1	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°	887.6	30.0
0°-40°	1440.1	48.7
0°-60°	2464.8	83.4
0°-90°	2957.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2957.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1144	1144	1144	1144	1144	
5°	1141	1142	1139	1144	1145	108
15°	1101	1102	1099	1104	1104	311
25°	1017	1018	1016	1018	1017	468
35°	884	885	883	884	884	553
45°	722	724	720	720	720	557
55°	532	532	526	524	525	474
65°	313	308	297	294	297	312
75°	143	142	138	137	135	155
85°	35	37	37	34	34	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1144.4	1144.4	1144.4	1144.4	1144.4
2.5°	1144.0	1144.4	1141.5	1146.9	1147.7
5°	1141.1	1141.5	1138.6	1144.0	1144.8
7.5°	1135.3	1135.7	1133.2	1138.2	1139.0
10°	1126.6	1127.8	1124.9	1129.5	1130.3
12.5°	1115.8	1116.2	1113.3	1118.7	1119.5
15°	1101.2	1101.6	1099.1	1104.1	1104.1
17.5°	1084.6	1085.0	1083.4	1087.5	1087.1
20°	1064.2	1065.5	1063.4	1066.3	1068.0
22.5°	1042.2	1042.6	1040.2	1043.9	1045.6
25°	1017.3	1017.7	1015.6	1017.7	1016.9
27.5°	988.2	989.1	986.2	988.2	988.6
30°	955.8	957.9	953.8	955.4	955.8
32.5°	920.9	922.2	919.3	919.7	921.8
35°	884.4	884.8	883.1	884.0	884.0
37.5°	844.9	846.6	844.1	845.3	843.7
40°	805.9	804.2	803.4	804.2	805.5
42.5°	764.7	765.2	763.9	763.1	761.0
45°	721.5	724.0	719.5	720.3	720.3
47.5°	679.2	679.6	677.1	674.6	672.9
50°	633.9	633.9	631.0	628.9	626.4
52.5°	584.5	583.6	580.3	578.2	579.5
55°	532.5	532.1	526.3	524.2	524.6
57.5°	475.6	476.5	467.7	465.7	465.7
60°	421.2	417.1	407.1	404.2	407.9
62.5°	364.3	359.3	348.5	348.5	351.4
65°	312.8	308.2	297.0	294.1	296.6
67.5°	264.6	260.5	250.1	248.4	249.2
70°	218.9	215.2	208.9	205.2	206.5
72.5°	179.5	176.1	172.0	169.1	167.4
75°	143.3	142.5	137.9	136.7	135.0
77.5°	113.4	113.0	109.2	107.6	105.9
80°	85.2	84.7	83.9	81.4	80.2
82.5°	60.6	60.6	60.2	58.2	56.9
85°	35.3	36.6	36.6	34.5	34.5
87.5°	14.1	15.0	14.1	14.1	13.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)