

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: P385132

Luminaire Tested: **22ID-35-L840-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385132
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-72)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-35-L840-CNC
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

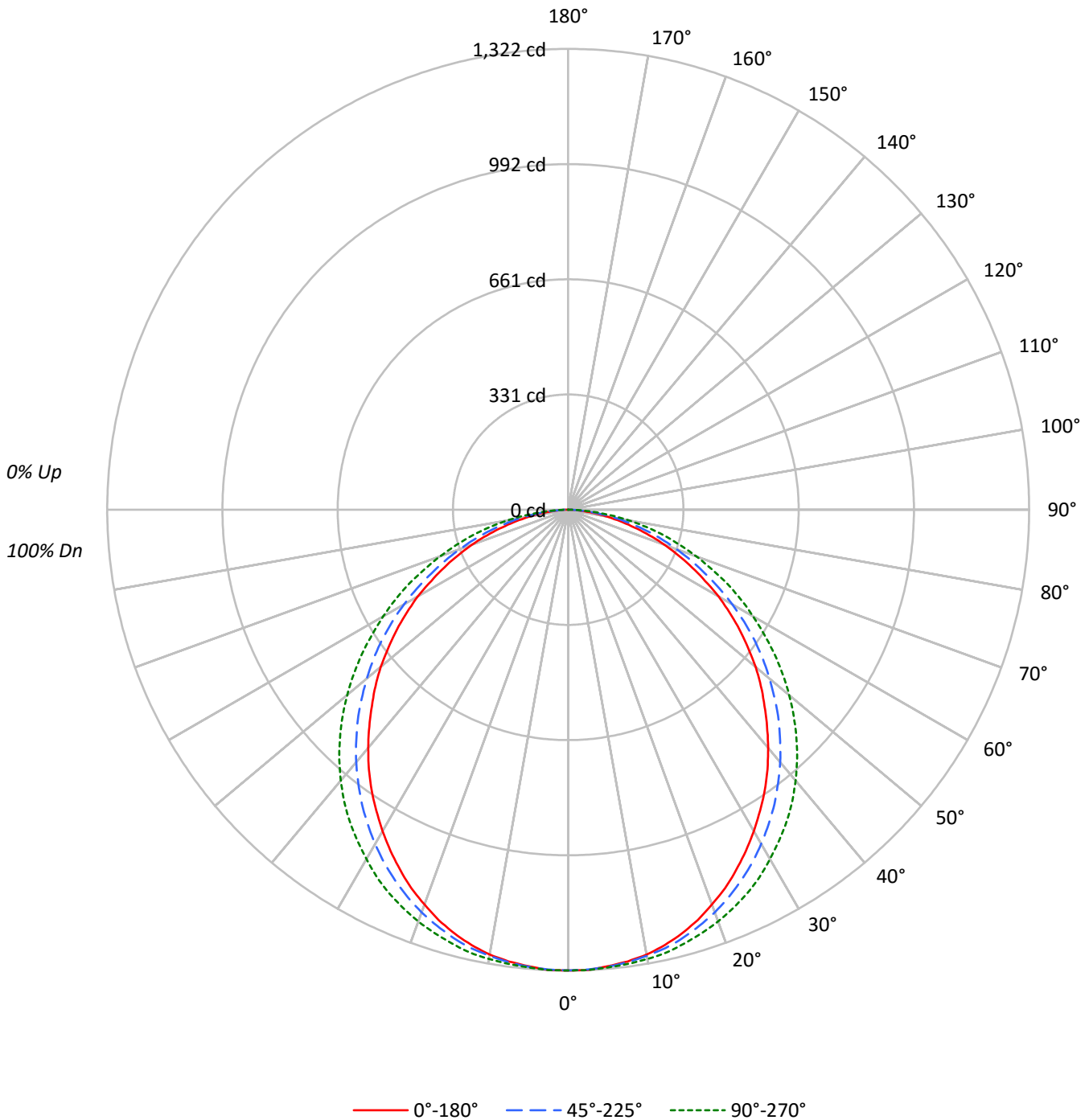
Lumens per Lamp: N/A
Luminaire Lumens: 3670.1 lumens
Efficiency: N/A
Efficacy: 129.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 28.4
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



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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	104	100	96	106	102	98	94	98	94	91		94	91	89		90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75		82	78	74		79	75	72	70
3	90	80	72	65	88	78	71	65	75	69	63		72	67	62		70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54		65	58	53		62	57	53	50
5	76	63	54	48	74	62	54	47	60	52	47		58	51	46		56	50	46	44
6	70	57	48	42	68	56	48	41	54	47	41		52	46	41		51	45	40	38
7	65	52	43	37	63	51	42	37	49	42	36		48	41	36		46	40	36	34
8	61	47	39	33	59	46	38	33	45	38	32		44	37	32		43	37	32	30
9	57	43	35	29	55	43	35	29	42	34	29		40	34	29		39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	27		37	31	26		37	31	26	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3557	3557	3557
5°	3551	3556	3561
10°	3541	3551	3577
15°	3507	3543	3590
20°	3451	3520	3600
25°	3386	3485	3606
30°	3308	3440	3595
35°	3230	3388	3588
40°	3134	3323	3564
45°	3030	3248	3523
50°	2937	3154	3464
55°	2814	3058	3387
60°	2680	2929	3298
65°	2499	2758	3207
70°	2301	2592	3073
75°	2040	2406	2946
80°	1722	2151	2726
85°	1257	1658	2174



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.1	3.4
10°-20°	359.0	9.8
20°-30°	541.4	14.8
30°-40°	646.3	17.6
40°-50°	660.6	18.0
50°-60°	585.8	16.0
60°-70°	436.7	11.9
70°-80°	249.5	6.8
80°-90°	65.8	1.8
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°	1025.5	27.9
0°-40°	1671.8	45.6
0°-60°	2918.2	79.5
0°-90°	3670.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3670.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1322	1322	1322	1322	1322	
5°	1314	1314	1316	1316	1318	125
15°	1259	1263	1272	1283	1288	355
25°	1140	1150	1174	1200	1214	525
35°	983	996	1031	1072	1092	614
45°	796	813	854	900	926	615
55°	600	611	652	698	722	536
65°	392	402	433	478	504	389
75°	196	206	231	267	283	209
85°	41	43	54	67	70	51
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1321.8	1321.8	1321.8	1321.8	1321.8
2.5°	1321.8	1320.0	1320.0	1320.0	1321.8
5°	1314.4	1314.4	1316.3	1316.3	1318.1
7.5°	1307.0	1307.0	1308.9	1310.7	1314.4
10°	1295.9	1295.9	1299.6	1305.2	1308.9
12.5°	1279.3	1281.1	1288.5	1295.9	1301.5
15°	1258.9	1262.6	1271.9	1283.0	1288.5
17.5°	1234.8	1238.5	1251.5	1266.3	1273.7
20°	1205.2	1212.6	1229.3	1247.8	1257.0
22.5°	1175.6	1183.0	1203.4	1225.6	1236.7
25°	1140.4	1149.7	1173.7	1199.7	1214.5
27.5°	1103.4	1114.5	1142.3	1171.9	1188.5
30°	1064.5	1077.5	1107.1	1140.4	1157.1
32.5°	1023.8	1036.7	1070.1	1107.1	1125.6
35°	983.1	996.0	1031.2	1071.9	1092.3
37.5°	938.6	951.6	988.6	1033.0	1055.3
40°	892.3	907.1	946.0	990.5	1014.5
42.5°	844.2	860.9	899.7	947.9	971.9
45°	796.1	812.7	853.5	899.7	925.7
47.5°	749.8	762.7	803.5	851.6	877.5
50°	701.6	712.8	753.5	801.6	827.5
52.5°	649.8	664.6	703.5	751.6	775.7
55°	599.8	610.9	651.7	697.9	722.0
57.5°	548.0	559.1	598.0	644.3	666.5
60°	498.0	509.1	544.3	590.6	612.8
62.5°	442.5	453.6	488.7	536.9	559.1
65°	392.5	401.7	433.2	477.6	503.6
67.5°	342.5	351.8	381.4	424.0	444.3
70°	292.5	299.9	329.5	368.4	390.6
72.5°	244.4	251.8	281.4	316.6	335.1
75°	196.2	205.5	231.4	266.6	283.3
77.5°	151.8	161.1	183.3	214.8	229.6
80°	111.1	118.5	138.8	162.9	175.9
82.5°	74.1	79.6	94.4	114.8	124.0
85°	40.7	42.6	53.7	66.6	70.4
87.5°	16.7	16.7	20.4	22.2	24.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)