

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: P383900

Luminaire Tested: **14ID-35-L840-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383900
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-66)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14ID-35-L840-CFR2
Description: 1X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

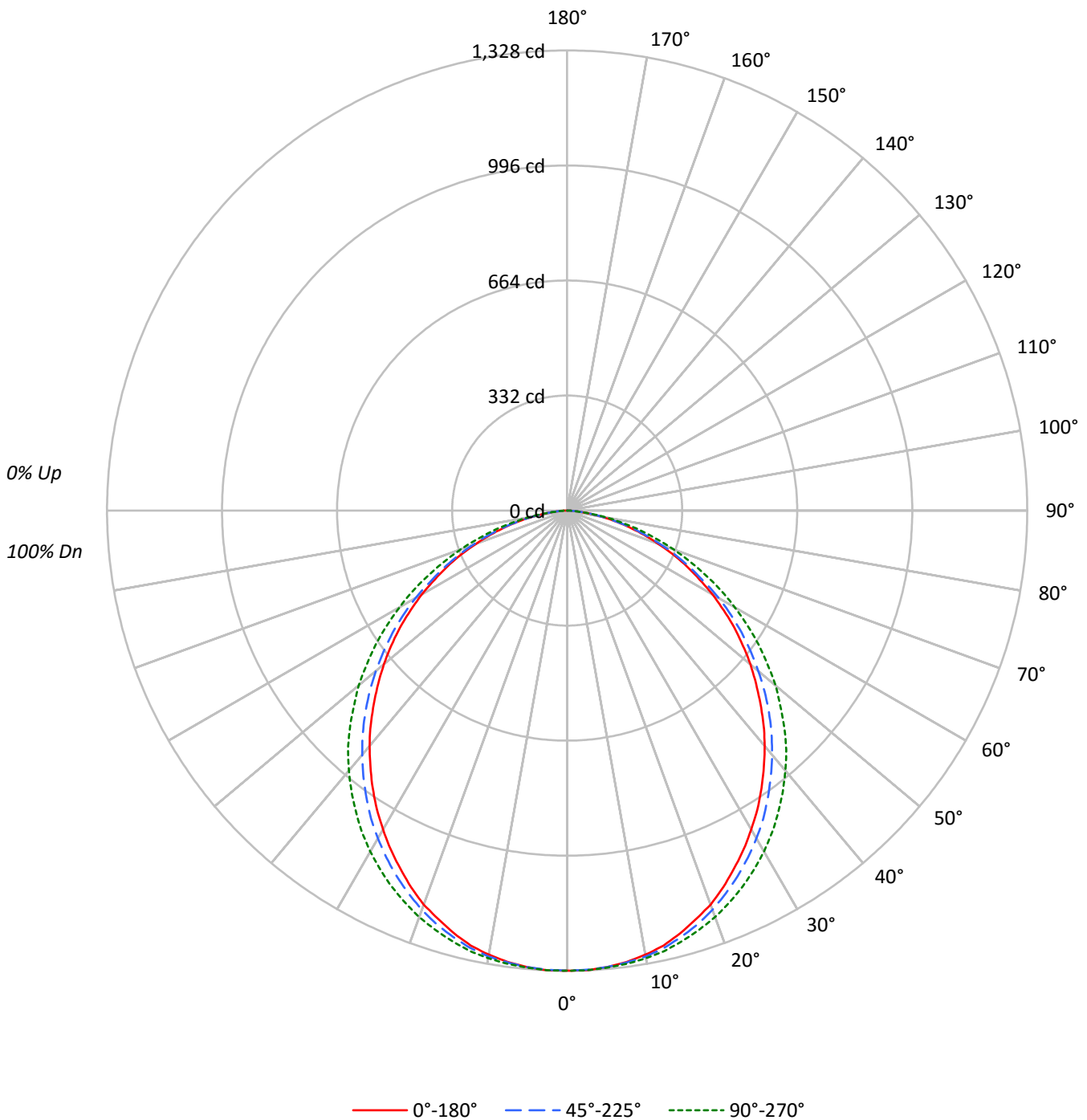
Lumens per Lamp: N/A
Luminaire Lumens: 3505.0 lumens
Efficiency: N/A
Efficacy: 123.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 28.5
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	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	38	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3573	3573	3573
5°	3572	3572	3577
10°	3556	3571	3585
15°	3518	3547	3582
20°	3465	3511	3576
25°	3384	3457	3556
30°	3301	3394	3531
35°	3213	3318	3490
40°	3116	3233	3443
45°	3001	3135	3375
50°	2889	3015	3287
55°	2761	2884	3164
60°	2609	2722	3006
65°	2427	2505	2807
70°	2197	2280	2570
75°	1917	1990	2246
80°	1551	1579	1770
85°	923	1031	868



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.7	3.6
10°-20°	359.3	10.2
20°-30°	537.4	15.3
30°-40°	634.9	18.1
40°-50°	640.7	18.3
50°-60°	556.4	15.9
60°-70°	399.0	11.4
70°-80°	207.8	5.9
80°-90°	43.9	1.3
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°	1022.3	29.2
0°-40°	1657.3	47.3
0°-60°	2854.3	81.4
0°-90°	3505.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3505.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1328	1328	1328	1328	1328	
5°	1322	1321	1322	1322	1324	126
15°	1263	1264	1273	1282	1286	356
25°	1140	1147	1164	1187	1198	525
35°	978	985	1010	1047	1062	612
45°	789	797	824	866	887	609
55°	588	594	615	655	674	526
65°	381	379	393	423	441	377
75°	184	183	191	206	216	197
85°	30	33	33	30	28	43
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1327.7	1327.7	1327.7	1327.7	1327.7
2.5°	1327.7	1326.0	1326.0	1326.0	1327.7
5°	1322.5	1320.7	1322.5	1322.5	1324.2
7.5°	1313.7	1311.9	1315.4	1317.2	1319.0
10°	1301.4	1301.4	1306.7	1310.2	1311.9
12.5°	1285.6	1285.6	1292.6	1297.9	1301.4
15°	1262.8	1264.5	1273.3	1282.1	1285.6
17.5°	1236.4	1241.7	1252.2	1264.5	1268.0
20°	1210.1	1213.6	1225.9	1241.7	1248.7
22.5°	1176.7	1182.0	1196.0	1217.1	1224.1
25°	1139.8	1146.8	1164.4	1187.2	1197.8
27.5°	1102.9	1108.2	1129.3	1155.6	1167.9
30°	1062.5	1069.6	1092.4	1122.3	1136.3
32.5°	1022.1	1027.4	1053.8	1085.4	1101.2
35°	978.2	985.3	1009.9	1046.7	1062.5
37.5°	932.6	941.4	965.9	1004.6	1022.1
40°	886.9	892.2	920.3	958.9	980.0
42.5°	839.5	846.5	872.9	915.0	936.1
45°	788.6	797.3	823.7	865.8	886.9
47.5°	739.4	748.2	772.8	814.9	834.2
50°	690.2	695.5	720.1	762.2	785.1
52.5°	639.3	644.6	667.4	707.8	728.9
55°	588.4	593.6	614.7	655.1	674.4
57.5°	535.7	539.2	560.3	597.1	616.5
60°	484.7	486.5	505.8	539.2	558.5
62.5°	430.3	432.0	446.1	484.7	502.3
65°	381.1	379.4	393.4	423.3	440.8
67.5°	330.2	330.2	342.5	368.8	382.9
70°	279.2	279.2	289.8	312.6	326.7
72.5°	231.8	231.8	240.6	258.2	268.7
75°	184.4	182.7	191.4	205.5	216.0
77.5°	140.5	140.5	144.0	156.3	163.3
80°	100.1	100.1	101.9	108.9	114.2
82.5°	63.2	63.2	63.2	66.7	68.5
85°	29.9	33.4	33.4	29.9	28.1
87.5°	14.1	14.1	12.3	12.3	12.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)