

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: P385290

Luminaire Tested: **22ID-25-L830-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385290
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-73)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-25-L830-CNV
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

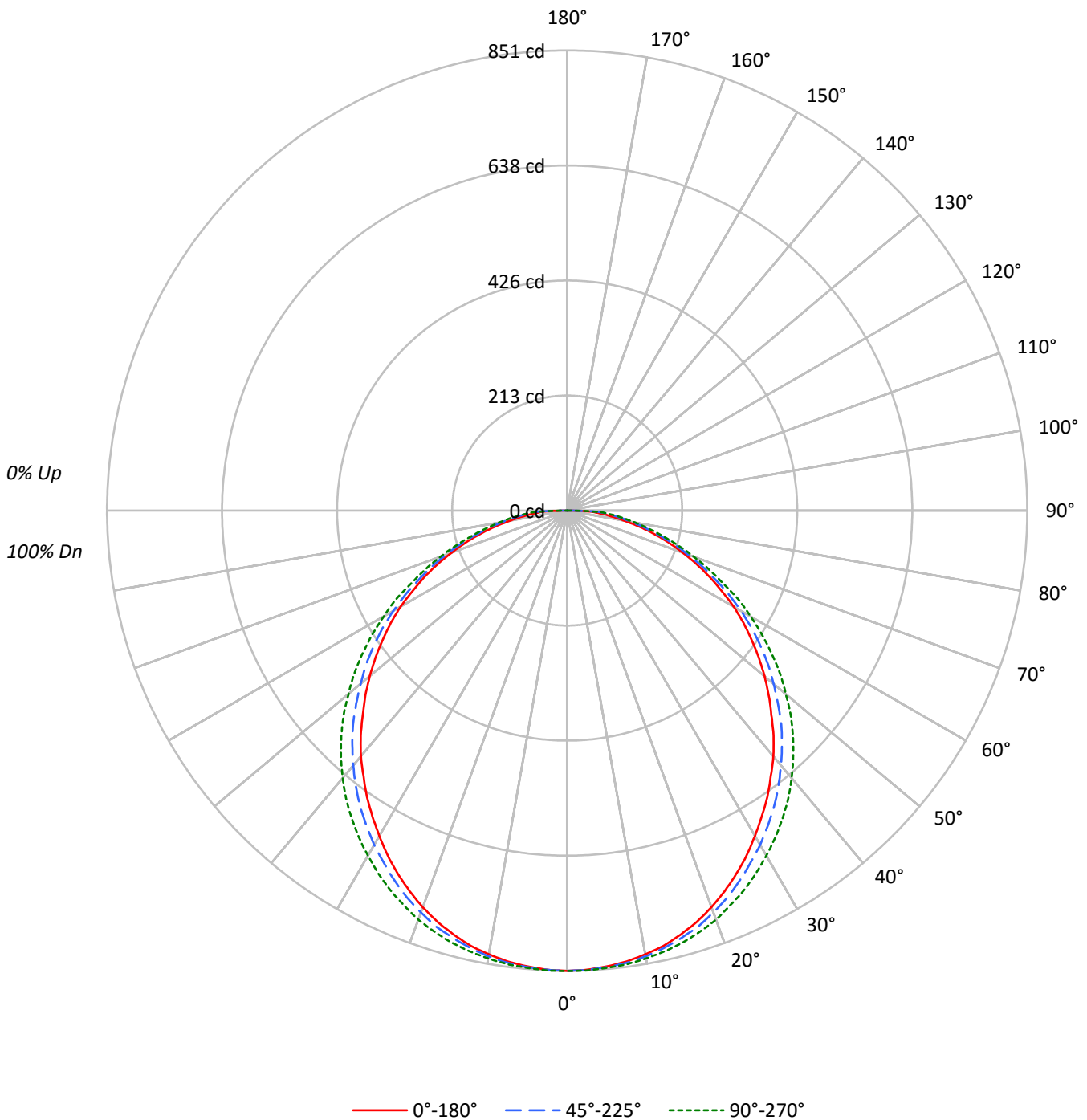
Lumens per Lamp: N/A
Luminaire Lumens: 2469.3 lumens
Efficiency: N/A
Efficacy: 119.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 20.6
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: P385290
CATALOG NUMBER: 22ID-25-L830-CNV

Luminous Intensity Polar Plot





TEST NUMBER: P385290

CATALOG NUMBER: 22ID-25-L830-CNV

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	108	103	99	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82
2	98	90	82	77	95	88	81	76	84	79	74	81	76	72	78	74	70	68
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57
4	82	69	60	54	79	68	60	53	66	58	52	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	28	54	42	34	28	41	33	28	40	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2291	2291	2291
5°	2269	2266	2276
10°	2244	2241	2265
15°	2212	2209	2254
20°	2170	2172	2238
25°	2118	2125	2213
30°	2060	2077	2185
35°	2005	2026	2156
40°	1948	1966	2121
45°	1877	1906	2075
50°	1814	1829	2010
55°	1745	1753	1938
60°	1673	1659	1842
65°	1575	1540	1714
70°	1455	1412	1595
75°	1314	1270	1456
80°	1122	1121	1338
85°	955	1013	1279



TEST NUMBER: P385290

CATALOG NUMBER: 22ID-25-L830-CNV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.6	3.3
10°-20°	230.9	9.3
20°-30°	348.4	14.1
30°-40°	418.1	16.9
40°-50°	432.8	17.5
50°-60°	392.1	15.9
60°-70°	302.0	12.2
70°-80°	186.9	7.6
80°-90°	77.6	3.1
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°	659.8	26.7
0°-40°	1077.9	43.7
0°-60°	1902.7	77.1
0°-90°	2469.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2469.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	851	851	851	851	851	
5°	846	846	848	848	849	80
15°	812	813	818	823	827	229
25°	741	744	755	768	774	341
35°	646	651	668	686	695	404
45°	534	542	560	580	591	413
55°	416	422	437	456	462	373
65°	292	294	303	316	317	288
75°	166	170	176	184	184	175
85°	60	67	77	82	81	65
90°	0	0	0	0	0	



TEST NUMBER: P385290

CATALOG NUMBER: 22ID-25-L830-CNV

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	851.4	851.4	851.4	851.4	851.4
2.5°	850.1	850.1	850.1	850.1	851.4
5°	846.2	846.2	847.5	847.5	848.8
7.5°	841.1	841.1	843.7	843.7	846.2
10°	833.4	834.7	837.2	838.5	841.1
12.5°	824.4	824.4	828.3	832.1	834.7
15°	811.6	812.8	818.0	823.1	827.0
17.5°	797.4	798.7	806.4	811.6	816.7
20°	780.7	782.0	791.0	798.7	805.1
22.5°	761.5	764.0	774.3	784.6	789.7
25°	740.9	743.5	755.1	767.9	774.3
27.5°	719.1	723.0	734.5	748.6	756.3
30°	694.7	699.8	714.0	729.4	737.1
32.5°	670.3	675.4	690.9	708.8	716.5
35°	645.9	651.0	667.7	685.7	694.7
37.5°	618.9	624.1	642.1	661.3	671.6
40°	593.3	598.4	615.1	636.9	645.9
42.5°	565.0	570.1	588.1	608.7	618.9
45°	534.2	541.9	559.9	580.4	590.7
47.5°	505.9	512.4	529.1	550.9	561.2
50°	476.4	482.8	498.2	520.1	527.8
52.5°	446.9	453.3	468.7	489.2	497.0
55°	416.1	422.5	436.6	455.9	462.3
57.5°	386.5	391.7	404.5	422.5	427.6
60°	355.7	360.8	371.1	387.8	391.7
62.5°	322.3	326.2	337.7	353.1	358.3
65°	291.5	294.1	303.0	315.9	317.2
67.5°	259.4	262.0	270.9	279.9	283.8
70°	227.3	231.1	237.6	246.5	249.1
72.5°	196.5	200.3	206.7	214.4	215.7
75°	165.7	169.5	175.9	183.6	183.6
77.5°	136.1	140.0	147.7	154.1	154.1
80°	106.6	113.0	120.7	127.1	127.1
82.5°	82.2	87.3	97.6	102.7	102.7
85°	60.4	66.8	77.0	82.2	80.9
87.5°	43.7	50.1	59.1	62.9	61.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)