

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: P302342

Luminaire Tested: **ZX-WO-30H940-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302342
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-13)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: ZX-WO-30H940-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (252)4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

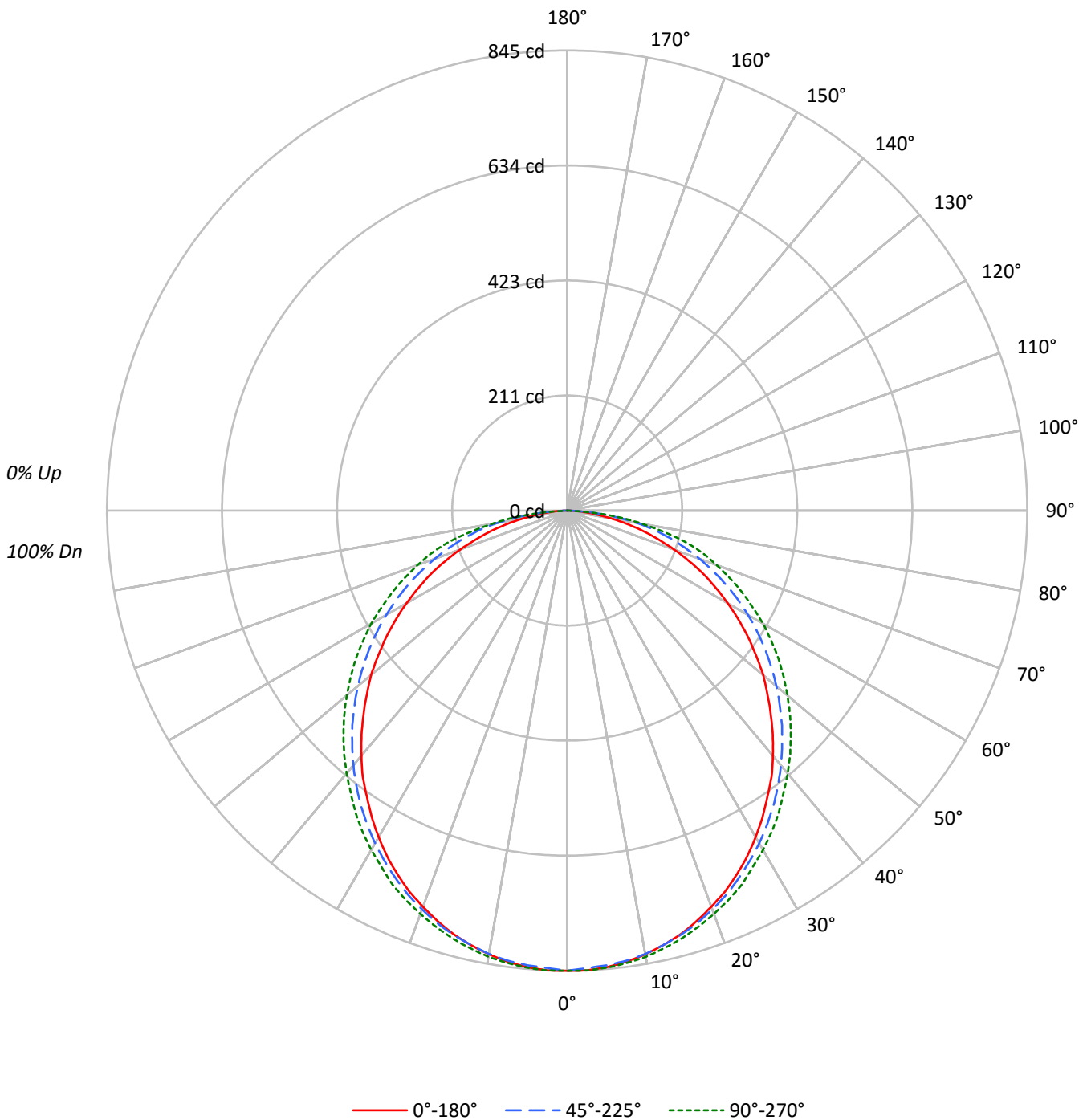
Lumens per Lamp: N/A
Luminaire Lumens: 2460.0 lumens
Efficiency: N/A
Efficacy: 113.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 21.6
Input Voltage (V): 120
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	108	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	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	65	58	52	63	57	52	61	55	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	39	51	44	39	50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1137	1137	1137
5°	1137	1132	1138
10°	1131	1129	1137
15°	1122	1123	1133
20°	1108	1116	1128
25°	1094	1106	1126
30°	1076	1096	1118
35°	1053	1085	1113
40°	1032	1072	1106
45°	1006	1062	1105
50°	984	1050	1105
55°	952	1041	1111
60°	917	1033	1118
65°	881	1024	1127
70°	823	1016	1148
75°	749	1018	1183
80°	619	1007	1089
85°	474	800	773



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.9	3.2
10°-20°	228.2	9.3
20°-30°	344.2	14.0
30°-40°	413.2	16.8
40°-50°	429.8	17.5
50°-60°	395.3	16.1
60°-70°	315.0	12.8
70°-80°	199.6	8.1
80°-90°	54.9	2.2
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°	652.3	26.5
0°-40°	1065.5	43.3
0°-60°	1890.5	76.8
0°-90°	2460.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2460.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	845	845	845	845	845	
5°	842	842	838	842	842	80
15°	806	806	806	813	814	227
25°	737	741	745	756	758	340
35°	641	648	661	673	677	402
45°	529	540	558	575	581	408
55°	406	419	444	466	474	363
65°	277	291	322	346	354	273
75°	144	162	196	220	228	152
85°	31	44	52	51	50	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	845.2	845.2	845.2	845.2	845.2
2.5°	845.2	845.2	840.8	845.2	845.2
5°	841.6	841.6	838.1	842.5	842.5
7.5°	835.5	836.4	833.7	838.1	838.1
10°	827.6	828.5	826.7	832.0	832.0
12.5°	817.0	817.9	817.0	823.2	823.2
15°	805.6	805.6	806.5	812.7	813.5
17.5°	790.7	792.4	794.2	801.2	801.2
20°	774.0	776.6	779.3	788.1	788.1
22.5°	757.3	759.9	763.5	772.2	774.0
25°	737.1	740.6	745.0	755.5	758.2
27.5°	716.0	718.6	725.7	737.1	738.0
30°	692.3	696.7	705.5	716.9	719.5
32.5°	667.7	673.8	683.5	696.7	699.3
35°	641.3	648.4	660.7	673.0	677.4
37.5°	616.7	622.0	636.1	650.1	652.8
40°	587.7	595.7	610.6	626.4	629.9
42.5°	558.8	567.5	584.2	600.0	606.2
45°	528.9	540.3	557.9	575.4	580.7
47.5°	499.0	511.3	529.8	549.1	555.2
50°	470.0	481.4	501.6	521.9	528.0
52.5°	437.5	450.7	472.7	494.6	500.8
55°	405.9	419.1	443.7	465.6	473.5
57.5°	373.4	388.3	413.8	436.6	443.7
60°	340.9	356.7	383.9	406.8	415.6
62.5°	308.4	323.3	353.2	376.0	383.9
65°	276.7	290.8	321.5	346.1	354.1
67.5°	242.5	258.3	289.9	315.4	322.4
70°	209.1	224.9	258.3	284.6	291.7
72.5°	174.8	193.3	226.7	252.1	261.8
75°	144.1	162.5	195.9	220.5	227.5
77.5°	111.6	130.0	164.3	181.9	182.7
80°	79.9	101.0	130.0	137.1	140.6
82.5°	52.7	72.9	89.6	98.4	98.4
85°	30.7	43.9	51.8	51.0	50.1
87.5°	11.4	14.9	12.3	8.8	6.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)