

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: P302292

Luminaire Tested: **ZX-WO-30H830-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302292
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-30H830-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (252)3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

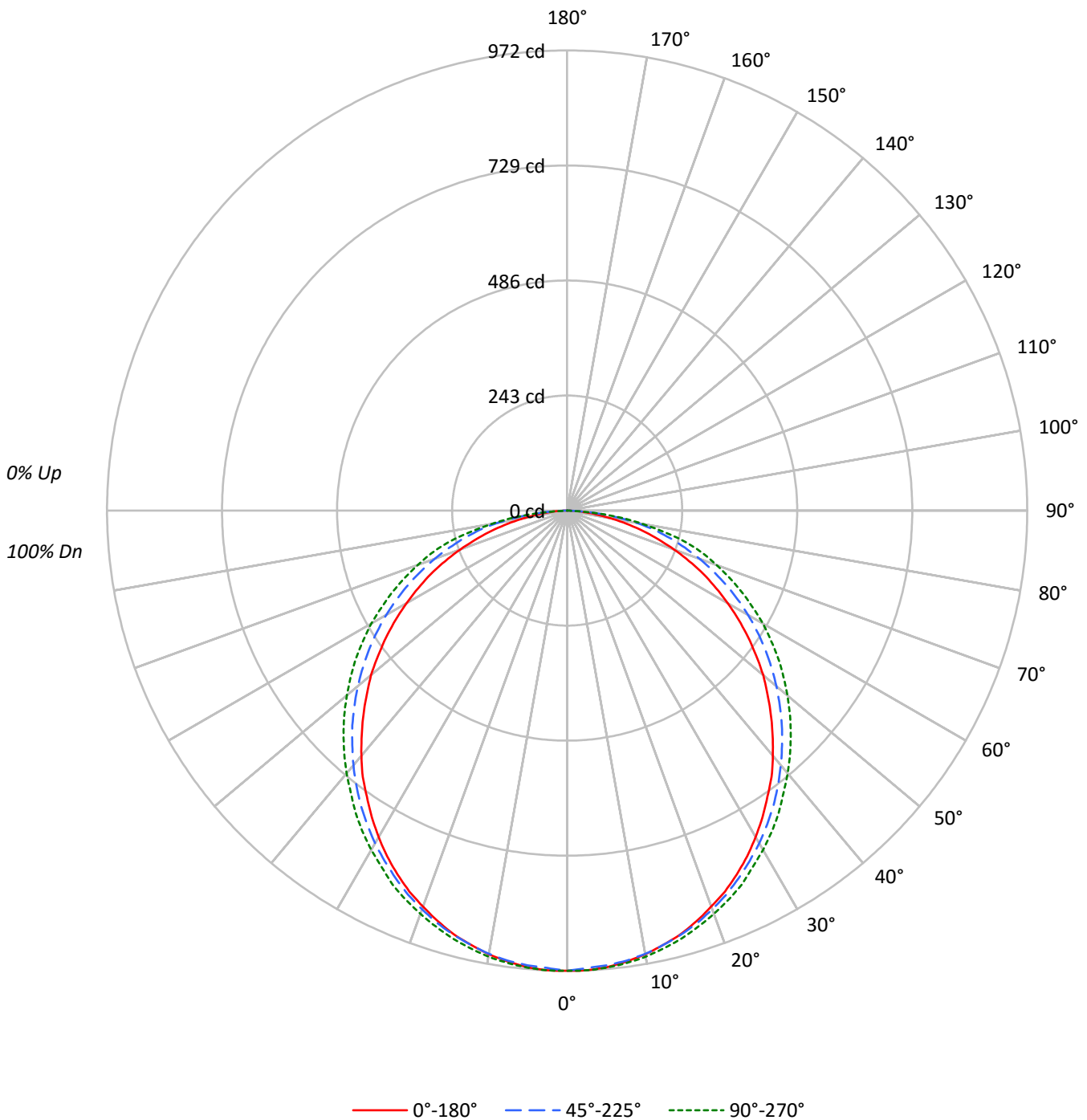
Lumens per Lamp: N/A
Luminaire Lumens: 2829.4 lumens
Efficiency: N/A
Efficacy: 131.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	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					100			
1	108	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83					83			
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	68					68			
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57					57			
4	82	69	60	54	79	68	60	53	65	58	52	63	57	52	61	55	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42					42			
6	69	56	47	40	67	55	46	40	53	45	39	51	44	39	50	44	39	37					37			
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32					32			
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23					23			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1308	1308	1308
5°	1307	1302	1309
10°	1300	1299	1307
15°	1291	1292	1303
20°	1275	1283	1298
25°	1259	1272	1295
30°	1237	1261	1286
35°	1212	1248	1280
40°	1187	1234	1273
45°	1157	1221	1271
50°	1132	1208	1271
55°	1095	1197	1278
60°	1055	1188	1286
65°	1013	1177	1296
70°	946	1169	1320
75°	861	1171	1360
80°	713	1158	1253
85°	546	920	889



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.9	3.2
10°-20°	262.4	9.3
20°-30°	395.9	14.0
30°-40°	475.3	16.8
40°-50°	494.3	17.5
50°-60°	454.6	16.1
60°-70°	362.3	12.8
70°-80°	229.6	8.1
80°-90°	63.1	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°	750.2	26.5
0°-40°	1225.5	43.3
0°-60°	2174.4	76.8
0°-90°	2829.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2829.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	972	972	972	972	972	
5°	968	968	964	969	969	92
15°	927	927	928	935	936	261
25°	848	852	857	869	872	390
35°	738	746	760	774	779	462
45°	608	621	642	662	668	470
55°	467	482	510	536	545	417
65°	318	334	370	398	407	314
75°	166	187	225	254	262	174
85°	35	50	60	59	58	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	972.1	972.1	972.1	972.1	972.1
2.5°	972.1	972.1	967.0	972.1	972.1
5°	968.0	968.0	964.0	969.0	969.0
7.5°	960.9	961.9	958.9	964.0	964.0
10°	951.8	952.9	950.8	956.9	956.9
12.5°	939.7	940.7	939.7	946.8	946.8
15°	926.6	926.6	927.6	934.7	935.7
17.5°	909.4	911.4	913.4	921.5	921.5
20°	890.2	893.2	896.3	906.4	906.4
22.5°	871.0	874.0	878.1	888.2	890.2
25°	847.8	851.8	856.9	869.0	872.0
27.5°	823.5	826.5	834.6	847.8	848.8
30°	796.2	801.3	811.4	824.5	827.6
32.5°	767.9	775.0	786.1	801.3	804.3
35°	737.6	745.7	759.9	774.0	779.1
37.5°	709.3	715.4	731.6	747.7	750.8
40°	676.0	685.1	702.3	720.4	724.5
42.5°	642.6	652.7	671.9	690.1	697.2
45°	608.3	621.4	641.6	661.8	667.9
47.5°	573.9	588.1	609.3	631.5	638.6
50°	540.6	553.7	577.0	600.2	607.3
52.5°	503.2	518.4	543.6	568.9	576.0
55°	466.8	482.0	510.3	535.5	544.6
57.5°	429.4	446.6	475.9	502.2	510.3
60°	392.1	410.2	441.6	467.8	477.9
62.5°	354.7	371.8	406.2	432.5	441.6
65°	318.3	334.5	369.8	398.1	407.2
67.5°	278.9	297.1	333.4	362.8	370.8
70°	240.5	258.7	297.1	327.4	335.5
72.5°	201.1	222.3	260.7	290.0	301.1
75°	165.7	186.9	225.3	253.6	261.7
77.5°	128.3	149.5	189.0	209.2	210.2
80°	92.0	116.2	149.5	157.6	161.7
82.5°	60.6	83.9	103.1	113.2	113.2
85°	35.4	50.5	59.6	58.6	57.6
87.5°	13.1	17.2	14.1	10.1	7.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)