

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: METALUX

Report Number: P#

Luminaire Tested: **4RSRK-TB-65-HE-L830**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-9)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4RSRK-TB-65-HE-L830
Description: 4ft RSRK, 650 LUMEN PER FOOT 80CRI 3000K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

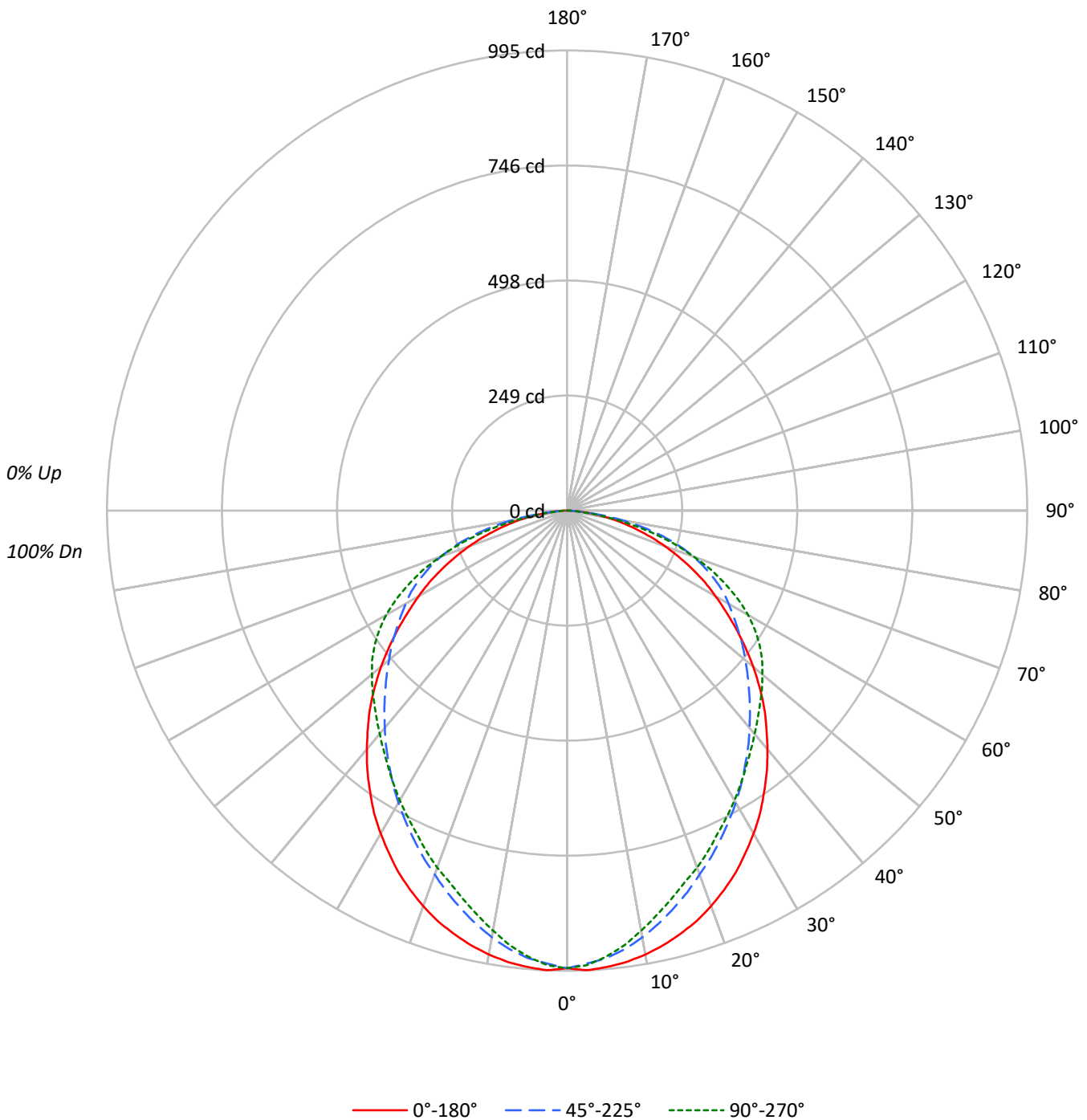
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2588.7 lumens
Efficiency: N/A
Efficacy: 137.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.1 / 1.26
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 18.9
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	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	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83					83			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49					49			
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43					43			
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37					37			
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33					33			
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	30					30			
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27					27			
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24					24			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2663	2663	2663
5°	2676	2624	2615
10°	2663	2560	2520
15°	2639	2480	2422
20°	2606	2398	2353
25°	2563	2330	2287
30°	2506	2267	2249
35°	2439	2205	2218
40°	2366	2154	2215
45°	2293	2118	2245
50°	2199	2104	2307
55°	2094	2117	2385
60°	1996	2171	2432
65°	1898	2239	2411
70°	1774	2287	2292
75°	1592	2219	2053
80°	1393	1883	1525
85°	1047	997	645



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.2	3.6
10°-20°	253.8	9.8
20°-30°	369.2	14.3
30°-40°	431.8	16.7
40°-50°	443.8	17.1
50°-60°	412.9	16.0
60°-70°	335.9	13.0
70°-80°	203.4	7.9
80°-90°	45.6	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°	715.2	27.6
0°-40°	1147.0	44.3
0°-60°	2003.8	77.4
0°-90°	2588.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2588.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	990	990	990	990	990	
5°	991	985	971	973	968	94
15°	947	927	890	877	869	267
25°	863	827	785	777	770	397
35°	743	703	671	676	675	465
45°	602	564	556	581	590	464
55°	446	422	451	497	508	400
65°	298	293	352	380	379	295
75°	153	182	213	204	198	164
85°	34	47	32	24	21	41
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	989.6	989.6	989.6	989.6	989.6
2.5°	994.8	990.2	980.5	986.0	983.7
5°	990.6	984.7	971.3	973.3	968.1
7.5°	984.4	975.9	956.7	952.8	948.2
10°	974.6	962.2	936.8	930.6	922.1
12.5°	962.5	946.6	914.6	903.6	895.7
15°	947.2	927.0	890.2	876.8	869.4
17.5°	930.6	905.5	864.8	851.1	843.3
20°	910.1	881.4	837.4	826.0	821.5
22.5°	887.3	854.4	812.0	801.9	796.7
25°	863.2	826.7	784.6	776.8	770.3
27.5°	834.8	797.7	756.9	751.4	746.8
30°	806.5	768.3	729.6	725.7	723.7
32.5°	776.5	735.1	700.9	700.2	699.3
35°	742.6	703.2	671.2	675.5	675.1
37.5°	709.7	669.3	643.2	650.7	652.3
40°	673.5	634.1	613.2	625.9	630.5
42.5°	638.0	600.2	585.2	602.5	610.0
45°	602.5	563.7	556.5	581.0	589.8
47.5°	563.7	528.8	529.5	560.8	571.2
50°	525.3	492.7	502.5	538.9	551.0
52.5°	485.5	457.5	478.0	517.8	531.5
55°	446.4	422.0	451.3	497.2	508.3
57.5°	407.3	387.8	426.9	470.8	481.9
60°	370.8	353.9	403.4	443.5	451.9
62.5°	335.9	322.3	380.3	413.5	417.7
65°	298.1	292.6	351.6	379.6	378.6
67.5°	261.0	262.3	322.3	340.5	338.9
70°	225.5	235.9	290.7	298.1	291.3
72.5°	189.0	208.5	253.8	253.2	246.3
75°	153.1	182.1	213.4	204.0	197.5
77.5°	122.2	153.8	169.4	156.4	146.0
80°	89.9	123.2	121.5	106.9	98.4
82.5°	59.0	85.7	75.3	60.6	56.7
85°	33.9	46.6	32.3	23.5	20.9
87.5°	14.3	12.4	8.1	7.5	6.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)