

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: PORTFOLIO

Report Number: P244294

Luminaire Tested: **LSR8B40D010 EC8B40927 8LBW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244294
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27940)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B40D010 EC8B40927 8LBW0H
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3454.9 lumens
Efficiency: N/A
Efficacy: 84.5 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.12
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

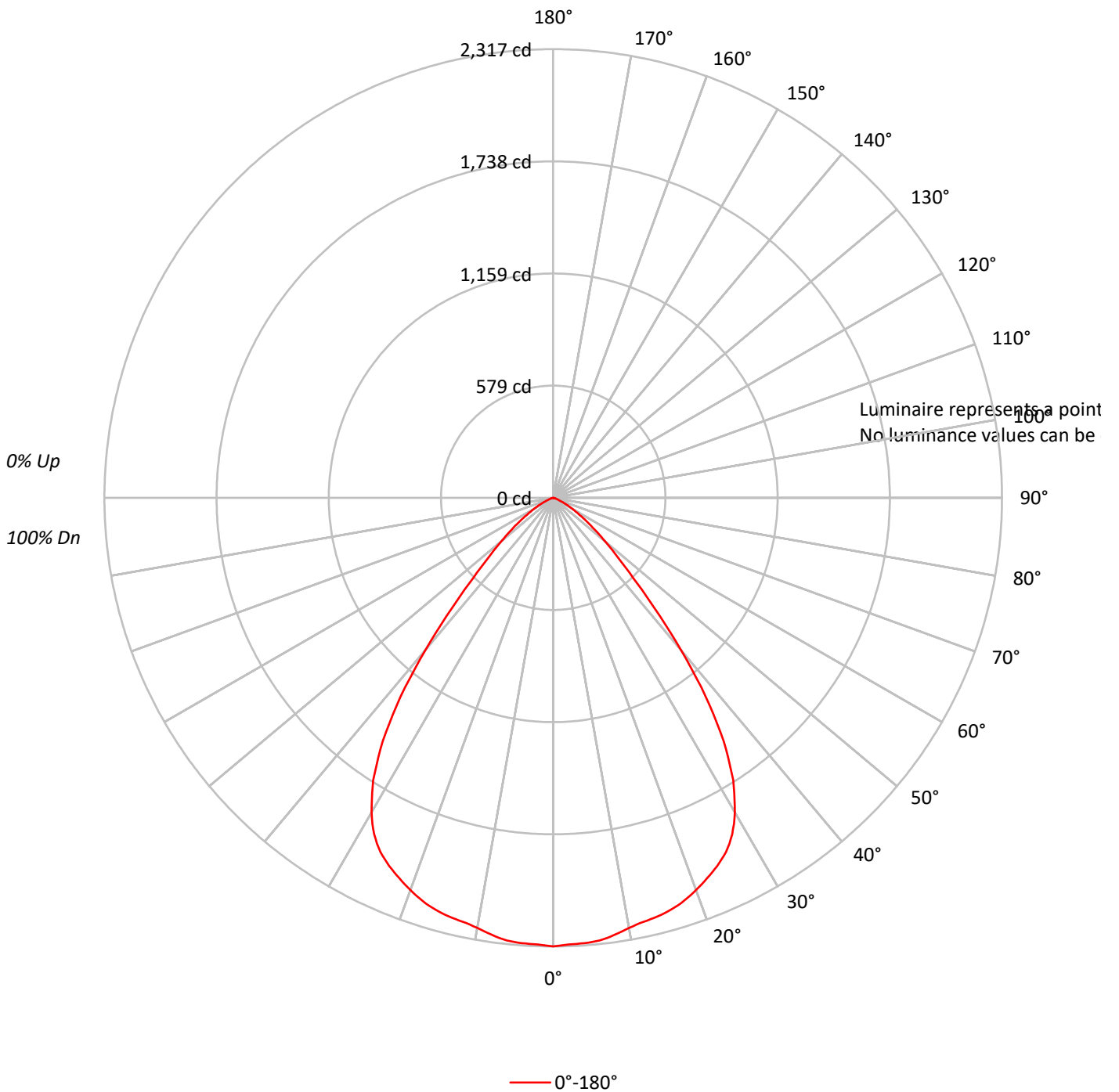
Input Watts (W): 40.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96	95	93	92
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83	79	77	75
4	93	84	78	73	91	83	77	72	81	75	71		79	74	71		77	73	70	68
5	87	77	71	66	85	76	70	65	75	69	65		73	68	64		71	67	63	62
6	82	71	65	60	80	71	64	59	69	63	59		68	62	58		66	62	58	56
7	77	66	59	54	75	65	59	54	64	58	54		63	57	53		62	57	53	52
8	72	61	54	50	71	61	54	50	60	54	49		58	53	49		57	53	49	47
9	68	57	50	46	67	57	50	46	56	50	46		55	49	45		54	49	45	44
10	64	53	47	42	63	53	47	42	52	46	42		51	46	42		50	45	42	40

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.3	6.3
10°-20°	626.4	18.1
20°-30°	942.6	27.3
30°-40°	933.2	27.0
40°-50°	474.2	13.7
50°-60°	191.0	5.5
60°-70°	57.9	1.7
70°-80°	9.9	0.3
80°-90°	1.2	0.0
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°	1787.3	51.7
0°-40°	2720.6	78.7
0°-60°	3385.8	98.0
0°-90°	3454.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3454.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2317	
5°	2303	218
15°	2221	626
25°	2059	943
35°	1536	933
45°	581	474
55°	206	191
65°	53	58
75°	8	10
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2316.6
1°	2311.6
2°	2307.6
3°	2306.7
4°	2305.7
5°	2302.6
6°	2298.7
7°	2290.7
8°	2278.7
9°	2267.7
10°	2255.7
11°	2245.7
12°	2238.8
13°	2233.8
14°	2227.7
15°	2220.8
16°	2211.8
17°	2200.8
18°	2187.8
19°	2172.8
20°	2155.8
21°	2137.8
22°	2120.0
23°	2100.9
24°	2081.0
25°	2059.0
26°	2035.0
27°	2004.1
28°	1968.2
29°	1925.2
30°	1875.3
32.5°	1729.5
35°	1535.7
37.5°	1294.1
40°	1024.5
42.5°	773.9
45°	581.2
47.5°	444.4
50°	348.5
52.5°	270.6
55°	205.6
57.5°	152.8
60°	114.9
62.5°	81.9
65°	52.9



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	33.0
70°	20.9
72.5°	12.9
75°	8.0
77.5°	5.0
80°	3.0
82.5°	2.0
85°	1.0
87.5°	0.0
90°	0.0

(END OF REPORT)