

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: P245752

Luminaire Tested: **LSR8B40D010 EC8B40830 8LBS0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245752
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-16)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B40D010 EC8B40830 8LBS0GPH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4191.1 lumens
Efficiency: N/A
Efficacy: 102.5 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.25
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

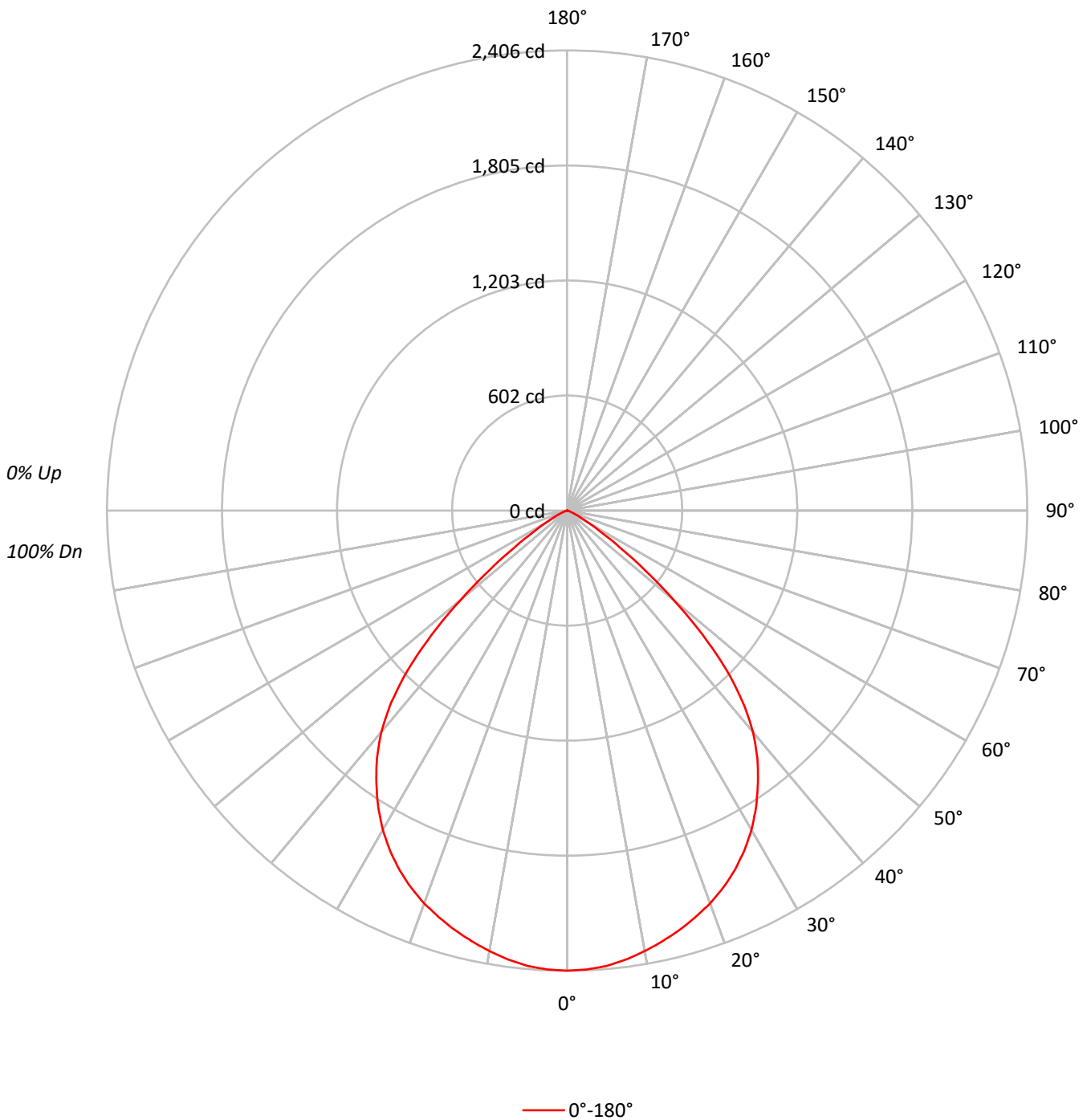
Input Watts (W): 40.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	73
4	91	82	75	70	89	81	74	69	78	73	69	76	72	68	74	70	67	65
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58
6	79	69	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53
7	74	63	56	50	73	62	55	50	61	55	50	59	54	50	58	53	49	48
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	40
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	74180
5°	73956
10°	73226
15°	72474
20°	71715
25°	70542
30°	68614
35°	65486
40°	60888
45°	51411
50°	34905
55°	18236
60°	8184
65°	3991
70°	1605
75°	977
80°	728
85°	495



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.4	5.4
10°-20°	640.4	15.3
20°-30°	953.2	22.7
30°-40°	1083.6	25.9
40°-50°	886.1	21.1
50°-60°	330.3	7.9
60°-70°	60.4	1.4
70°-80°	9.4	0.2
80°-90°	1.3	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°	1820.0	43.4
0°-40°	2903.6	69.3
0°-60°	4120.0	98.3
0°-90°	4191.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4191.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2406	
5°	2389	226
15°	2270	640
25°	2073	953
35°	1740	1084
45°	1179	886
55°	339	330
65°	55	60
75°	8	9
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2405.6
2.5°	2401.5
5°	2389.2
7.5°	2367.3
10°	2338.6
12.5°	2305.8
15°	2270.2
17.5°	2229.2
20°	2185.4
22.5°	2133.5
25°	2073.3
27.5°	2004.9
30°	1927.0
32.5°	1838.1
35°	1739.6
37.5°	1634.3
40°	1512.6
42.5°	1362.1
45°	1178.9
47.5°	958.7
50°	727.6
52.5°	512.9
55°	339.2
57.5°	213.3
60°	132.7
62.5°	84.8
65°	54.7
67.5°	31.5
70°	17.8
72.5°	10.9
75°	8.2
77.5°	5.5
80°	4.1
82.5°	1.4
85°	1.4
87.5°	0.0
90°	0.0

(END OF REPORT)